



2025 — 2026 Edition

PANEL PC



iBASE
www.ibase.com.tw

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About IBASE

 HQ Taipei, Taiwan	 Stock Code TPEX 8050 (Since 2003)	 Chairman C. S. Lin	 Design and Manufacturing of Robust Computing Platforms
 Capital US\$ 66.5M	 Revenue US\$ 161M (2024)	 Employees 1,010 (Group) 770 (IBASE HQ)	

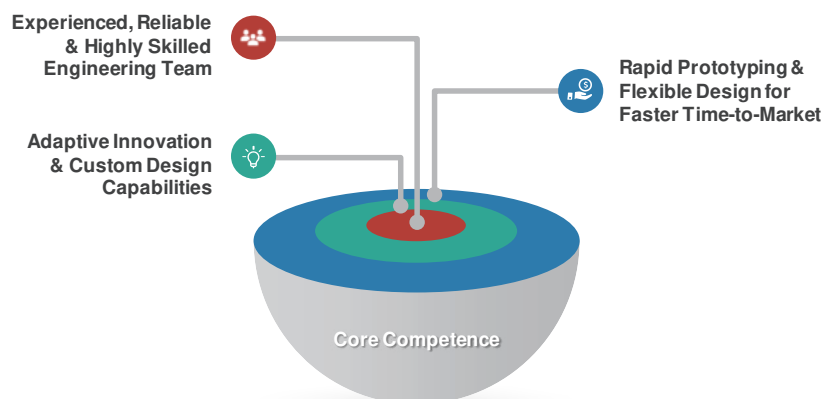
Company Profile

IBASE Technology specializes in the design and manufacture of robust industrial PC, products since its establishment in 2000. IBASE carries out manufacturing and quality control at its own facilities in Taiwan that are certified with ISO 9001, ISO 13485, ISO 14001 and ISO 27001 standards. Current offerings comprise x86 and RISC-based industrial motherboards, embedded systems, Edge AI Computer, panel PCs, network appliances and digital signage players. The company is publicly listed in the Taipei Exchange (TPEX: 8050) and is now a leading global provider of innovative industrial and embedded computing solutions.



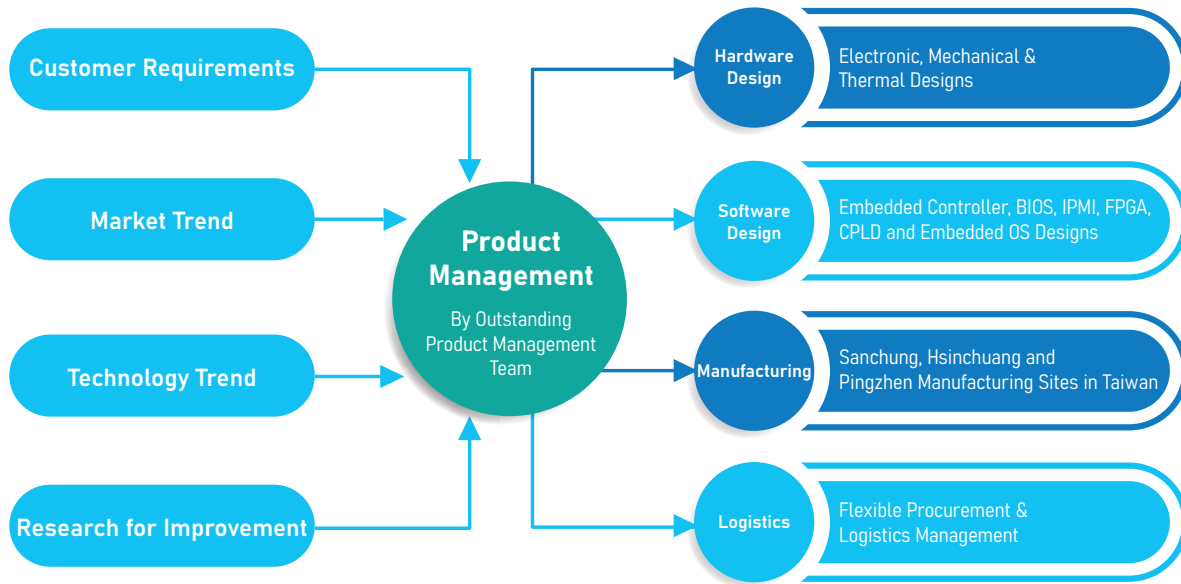
Core Competence – R&D Design Capabilities

IBASE excels in delivering advanced R&D design capabilities driven by an experienced, reliable, and highly skilled engineering team. Our expertise lies in adaptive innovation and custom design solutions tailored to diverse industry needs. By leveraging rapid prototyping and flexible design processes, we enable our customers to accelerate time-to-market and gain a competitive advantage in today's rapidly evolving technology landscape. From concept to completion, IBASE prioritizes precision, efficiency, and reliability in every project, making us a trusted partner for businesses seeking advanced industrial computing solutions.



Design⁺, Manufacture⁺, Service⁺

Set up to become a global leading provider of embedded board and system solutions, IBASE manufacturer and supplies cutting-edge products based on the latest technologies to match market demands. Our R&D and product management teams have the expertise to design and develop innovative products that meet customers' requirements and design specifications. We attach great importance to research and development, investing heavily in manpower and resources to continuously provide high-quality innovative products. IBASE is also committed to compliance with environmental policies by working to prevent pollution with non-use of banned or restricted substances in our production process and products, helping our customers respond to their environmental challenges.



IBASE Manufacturing Sites

IBASE Manufacturing Sites in Taiwan



18,481 m² / 5,591 Ping

Pingzhen

- Board Production
- System Assembly
- Validation



6,070 m² / 1,840 Ping

Xinzhuang

- System Assembly
- Validation



3,124 m² / 945 Ping

Sanchong

- Board Production
- Validation

Total Size

297,891 Square-feet
(27,675 m² / 8,376 Ping)

Capacity

- SMT Line x 7
- DIP Assembly Line x 4
- System Assembly Line x 10
- Cleanroom x 2
- Burn-in Room x 20

PCBA

80K/month

In-house Production + Outsourcing

System Assembly

50K/month

In-house Production + Outsourcing

Certifications



Our ESG Commitments



Sustainable Development Goals (SDGs)

Aspects	SDGs Advocated by United Nations ★		
Social	1 NO POVERTY 	4 QUALITY EDUCATION 	5 GENDER EQUALITY
Governance	8 DECENT WORK AND ECONOMIC GROWTH 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	10 REDUCED INEQUALITIES
Environmental	7 AFFORDABLE AND CLEAN ENERGY 	12 RESPONSIBLE CONSUMPTION AND PRODUCTION 	13 CLIMATE ACTION

IBASE Panel PC Ecosystem

Universal Products



IPPC / IXPC /
IPPL Series



ACS Series

Virtual Counter



VINO / IXPC Series



Self-Service Terminal



IPPC / IXPC Series



Door Sign



HMI / MRS Series



Workplace

Food Factory



INOSP Series



Product Manufacturing



IPPC / IXPC
ASTUT Series



Home

Car Wash Slaughterhouse



INOSP Series



Parking



IDOOH Series



Transport

Commercial Activity

Self Ordering



IXPC / IKS Series



Crowd Control



IXPC / VINO Series



Signage



IXPC / UPC Series



Kiosk Vendor Machine



IXPC / OFP Series



Hospital

Medical



UMT-7211



Information



IXPC / MRD
IDOOH Series



Repair Center



IXPC / IPPC Series



Access Gate



IPPC / IXPC / HMI
BYTEM Series



Information



IXPC/MRD/MPPC
BYTEM Series



Comparison Table

Category		Combination Panel PC		
Model No.	Models	ACS200-210	IPPL-W215	IPPC-121
Display & Touch	Display Size	N/A	21.5"	12.1"
	Max. Resolution	N/A	1920 x 1080	1024 x 768
	Luminance (cd/m2)	N/A	800	500
	Contrast Ratio	N/A	1000:1	1000:1
	View Angle (H/V)	N/A	178/178	178/178
	Light Transmission (%)	N/A	85	85
	Touch Type	N/A	Projected capacitive	Projected capacitive
	Touch Interface	N/A	USB	USB
System	Processor	Intel® Atom® N97 or X7835RE Processor Intel® Core i® i3-N305 or N355 Processor	N/A	Intel® Atom® N97 or X7835RE Processor Intel® Core i® i3-N305 or N355 Processor
	Chipset	N/A	N/A	N/A
	Graphics	Intel® UHD Graphics	N/A	Intel® UHD Graphics
	Memory	1x DDR5 SO-DIMM	N/A	1x DDR5 SO-DIMM
	Max. Memory	Up to 16GB	N/A	Up to 16GB
I/O Interface	Display	1x HDMI 1x USB Type-C	1x USB Type-C (Single Cable Connection) 1x HDMI-in	1x HDMI 1x USB Type-C
	USB	2x USB 3.2 Gen1 4x USB 2.0 1x USB Type-C (PD60W)	2x USB 2.0 1x USB Type-C (Alternate Mode)	2x USB 3.2 Gen1 4x USB 2.0 1x USB Type-C (PD60W)
	LAN	2x GbE	N/A	2x GbE
	Serial Port	1x RS232/422/485 1x RS232 Optional 4x RS232 (Pin 9 →0,5,12V by Jumper)	N/A	1x RS232/422/485 1x RS232 Optional 4x RS232 (Pin 9 →0,5,12V by Jumper)
	Audio	1x Line-out, 1x MIC-in 1x Line-In	N/A	1x Line-out, 1x MIC-in 1x Line-In
	Digital I/O	N/A	N/A	N/A
	Power Button	1x Tact switch	On OSD button	1x Tact switch
Storage	SSD	N/A	N/A	N/A
	mSATA/M.2	1x m.2 2280 (mSATA or NVMe)	N/A	1x m.2 2280 (mSATA or NVMe)
Expansion	Expansion Slot	N/A	N/A	N/A
	Internal Expansion bus	1x M.2 (E-key, type:2230) 1x M.2 (M-key, type:2280) with mSATA or PCI-E x1 1x M.2 (B-key, type:3052) with nano SIM slot	1x USB 2.0 for Touch 1x USB 2.0 for Camera or others	1x M.2 (E-key, type:2230) 1x M.2 (M-key, type:2280) with mSATA or PCI-E x1 1x M.2 (B-key, type:3052) with nano SIM slot
Power	Power Input	9V~36V DC-in	12V~24V DC-in	9V~36V DC-in
	Power Connector	1x2-pin terminal block	1x DC Jack	1x2-pin terminal block
Mechanical	Dimensions (mm)	303.4 x 242 x 73	540 x 331 x 40	303.4 x 242 x 73
	Weight (kgs)	1.65	5.6	3.6
	Chassis Material	Aluminus and SGCC	Aluminus and SGCC	Aluminus and SGCC
	IP Rating	N/A	Front panel IP65 Fully body IP54	Front panel IP65
	Mounting	Wall Mount and VESA 75x75 / 100x100 mm	VESA 100x100 mm T-Slot mount Optional Panel Mount KIT	VESA 75x75 / 100x100 mm T-Slot mount Optional Panel Mount KIT
Environmental	Operating Temperature	-20°C~50°C with 0.9M/s airflow	0°C~50°C with 0.9M/s airflow	-20°C~50°C with 0.9M/s airflow
	Storage Temperature	-30°C~60°C	-20°C~60°C	-30°C~60°C
	Storage Humidity	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)
		CE/FCC Class B	CE/FCC Class B	CE/FCC Class B
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Industrial Panel PC			
IPPC1903-REN	IPPC1503-REN	IPPC1905-RE	IPPC1705-RE
19"	15"	19"	17"
1280 x 1024	1024 x 768	1280 x 1024	1280 x 1024
350	420	350	350
1000:1	800:1	800:1	800:1
170/160	160/160	170/160	160/140
80	79	79	79
Resistive	Resistive	Resistive	Resistive
USB	USB	USB	USB
Intel® Celeron® Processor J1900	Intel® Celeron® Processor J1900	6th Gen Intel® Core™ i7/i5/i3	6th Gen Intel® Core™ i7/i5/i3
N/A	N/A	Intel® CM238 PCH Intel® HM175 PCH	Intel® CM238 PCH Intel® HM175 PCH
Intel® Atom® SoC integrated Gen7 graphics	Intel® Atom® SoC integrated Gen7 graphics	Intel® HD Graphics 630	Intel® HD Graphics 630
2x DDR3L SO-DIMM	2x DDR3L SO-DIMM	2x DDR4 SO-DIMM	2x DDR4 SO-DIMM
Up to 8GB	Up to 8GB	Up to 32GB	Up to 32GB
1x DVI-D 1x VGA	1x DVI-D 1x VGA	1x DisplayPort 1x DVI-D 1x HDMI 1.4	1x DisplayPort 1x DVI-D 1x HDMI 1.4
1x USB 3.2 Gen1 2x USB 2.0 rear side 1x USB 2.0 front bezel	1x USB 3.2 Gen1 2x USB 2.0 rear side 1x USB 2.0 front bezel	6x USB 3.2 Gen1 1x USB 2.0 front bezel	6x USB 3.2 Gen1 1x USB 2.0 front bezel
2x GbE	2x GbE	2x GbE	2x GbE
1x RS232/422/485 1x RS232	1x RS232/422/485 1x RS232	1x RS232/422/485 1x RS232	1x RS232/422/485 1x RS232
1x Line-out, 1x MIC-in 1x Line-in	1x Line-out, 1x MIC-in 1x Line-in	1x Line-out, 1x MIC-in 1x Line-in	1x Line-out, 1x MIC-in 1x Line-in
N/A	N/A	4-in/4-out (optional)	4-in/4-out (optional)
1x Rock switch	1x Rock switch	1x Rock switch	1x Rock switch
1x 2.5" SATA II SSD	1x 2.5" SATA II SSD	2x 2.5" SATA III SSD	2x 2.5" SATA III SSD
1x mSATA	1x mSATA	1x mSATA 1x M.2 (M-key)	1x mSATA 1x M.2 (M-key)
N/A	N/A	2x PCI-E (x8)	2x PCI-E (x8)
1x Mini PCI-E full-size	1x Mini PCI-E full-size	2x Mini PCI-E full-size 1x M.2 M-key	2x Mini PCI-E full-size 1x M.2 M-key
12V/24V DC-in	12V/24V DC-in	12V/24V DC-in	12V/24V DC-in
1x 3-pin terminal block	1x 3-pin terminal block	1x 3-pin terminal block	1x 3-pin terminal block
480 x 415 x 80.5	410 x 335 x 79	480 x 415 x 127.6	442 x 377 x 132.8
10	7	10.4	10
SGCC	SGCC	Aluminum and SGCC	Aluminum and SGCC
Front panel IP65	Front panel IP65	Front panel IP65	Front panel IP65
Panel mount VESA 75x75 / 100x100 mm	Panel mount VESA 75x75 / 100x100 mm	VESA 75x75 / 100x100 mm	VESA 75x75 / 100x100 mm
0°C~50°C (with SSD) 0°C~40°C (with HDD)	0°C~50°C (with SSD) 0°C~40°C (with HDD)	0°C~50°C (with SSD) 0°C~40°C (with HDD)	0°C~50°C (with SSD) 0°C~40°C (with HDD)
-20°C~70°C	-20°C~70°C	-20°C~70°C	-20°C~70°C
10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)
CE/FCC Class-B	CE/FCC Class-B	CE/FCC Class-B	CE/FCC Class-B
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Comparison Table

Category		Industrial Panel PC		
Model No.	Models	IPPC1505-RE	IPPC1903-RE	IPPC1703-RE
Display & Touch	Display Size	15"	19"	17"
	Max. Resolution	1024 x 768	1280 x 1024	1280 x 1024
	Luminance (cd/m2)	420	350	250
	Contrast Ratio	600:1	1000:1	1000:1
	View Angle (H/V)	160/160	170/160	178/170
	Light Transmission (%)	79	80	80
	Touch Type	Resistive	Resistive	Resistive
	Touch Interface	USB	USB	USB
System	Processor	6th Gen Intel® Core™ i7/i5/i3	Intel® Celeron® Processor J1900	Intel® Celeron® Processor J1900
	Chipset	Intel® CM238 PCH Intel® HM175 PCH	N/A	N/A
	Graphics	Intel® HD Graphics 630	Intel® Atom® SoC integrated Gen7 graphics	Intel® Atom® SoC integrated Gen7 graphics
	Memory	2x DDR4 SO-DIMM	2x DDR3L SO-DIMM	2x DDR3L SO-DIMM
	Max. Memory	Up to 32GB	Up to 8GB	Up to 8GB
I/O Interface	Display	1x DisplayPort 1x DVI-D 1x HDMI 1.4	1x DVI-D 1x VGA	1x DVI-D 1x VGA
	USB	6x USB 3.2 Gen1 1x USB 2.0 front bezel	1x USB 3.2 Gen1 2x USB 2.0 rear side 1x USB 2.0 front bezel	1x USB 3.2 Gen1 2x USB 2.0 rear side 1x USB 2.0 front bezel
	LAN	2x GbE	2x GbE	2x GbE
	Serial Port	1x RS232/422/485 1x RS232	1x RS232/422/485 1x RS232	1x RS232/422/485 1x RS232
	Audio	1x Line-out, 1x MIC-in 1x Line-in	1x Line-out, 1x MIC-in 1x Line-in	1x Line-out, 1x MIC-in 1x Line-in
	Digital I/O	4-In/4-out (optional)	N/A	N/A
	Power Button	1x Rock switch	1x Rock switch	1x Rock switch
Storage	SSD	2x 2.5" SATA III SSD	1x 2.5" SATA II SSD	1x 2.5" SATA II SSD
	mSATA/M.2	1x mSATA 1x M.2 (M-key)	1x mSATA	1x mSATA
Expansion	Expansion Slot	2x PCI-E (x8)	1x PCI-E (x1) 1x PCI	1x PCI-E (x1) 1x PCI
	Internal Expansion bus	2x Mini PCI-E full-size 1x M.2 M-key	1x Mini PCI-E full-size	1x Mini PCI-E full-size
Power	Power Input	12V/24V DC-in	12V/24V DC-in	12V/24V DC-in
	Power Connector	1x 3-pin terminal block	1x 3-pin terminal block	1x 3-pin terminal block
Mechanical	Dimensions (mm)	410 x 335 x 126.3	480 x 415 x 106.5	442 x 377 x 102.5
	Weight (kgs)	9.3	10.97	9.7
	Chassis Material	Aluminum and SGCC	SGCC	SGCC
	IP Rating	Front panel IP65	Front panel IP65	Front panel IP65
	Mounting	VESA 75x75 / 100x100 mm	Panel mount VESA 75x75 / 100x100 mm	Panel mount VESA 75x75 / 100x100 mm
Environmental	Operating Temperature	0°C~50°C (with SSD) 0°C~40°C (with HDD)	0°C~50°C (with SSD) 0°C~40°C (with HDD)	0°C~50°C (with SSD) 0°C~40°C (with HDD)
	Storage Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C
	Storage Humidity	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)
	Certification	CE/FCC Class-B	CE/FCC Class-B	CE/FCC Class-B
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Industrial Panel PC			
IPPC1503-RE	IPPC1203-RE	IPPC1003-PC	ASTUT-W155-PC1S
15"	12.1"	10.4"	15.6"
1024 x 768	1024 x 768	1024 x 768	1366 x 768
420	350	350	300
800:1	800:1	700:1	500:1
160/160	170/170	150/150	160/160
79	79	85	85
Resistive	Resistive	Projected capacitive	Projected capacitive
USB	USB	USB	USB
Intel® Celeron® Processor J1900	Intel® Celeron® Processor J1900	Intel® Atom® Processor E3815	7th /6th Gen Intel® Core™ U-series i7/i5/i3
N/A	N/A	N/A	N/A
Intel® Atom® SoC integrated Gen7 graphics	Intel® Atom® SoC integrated Gen7 graphics	Intel® Atom® SoC integrated Gen7 4EUs graphics	Intel® HD Graphics 620
2x DDR3L SO-DIMM	2x DDR3L SO-DIMM	1x DDR3L SO-DIMM	2x DDR4 SO-DIMM
Up to 8GB	Up to 8GB	Up to 8GB	Up to 32GB
1x DVI-D 1x VGA	1x DVI-D 1x VGA	1x DisplayPort 1x VGA	1x HDMI 1.4
1x USB 3.2 Gen1 2x USB 2.0 rear side 1x USB 2.0 front bezel	1x USB 3.2 Gen1 2x USB 2.0 rear side	1x USB 3.2 Gen1 2x USB 2.0	4x USB 3.2 Gen1
2x GbE	2x GbE	1x GbE	2x GbE
1x RS232/422/485 1x RS232	1x RS232/422/485 1x RS232	1x RS232/422/485 1x RS232	1x RS232/422/485 1x RS232
1x Line-out, 1x MIC-in 1x Line-in	1x Line-out, 1x MIC-in 1x Line-in	N/A	N/A
N/A	N/A	N/A	N/A
1x Rock switch	1x Rock switch	1x Rock switch	1x Rock switch
1x 2.5" SATA II SSD	1x 2.5" SATA II SSD	1x 2.5" SATA II SSD	1x 2.5" SATA III SSD (optional)
1x mSATA	1x mSATA	1x mSATA	1x M.2 (M-key 2280)
1x PCI-E (x1) 1x PCI	1x PCI-E (x1) 1x PCI	N/A	1x PCI-E (x4)
1x Mini PCI-E full-size	1x Mini PCI-E full-size	3x Mini PCI-E (2x full-size, 1x half-size)	1x Mini PCI-E full-size 1x M.2 E-key 2230
12V/24V DC-in	12V/24V DC-in	12V DC-in	12V~24V DC-in
1x 3-pin terminal block	1x 3-pin terminal block	1x DC Jack	1x 3-pin terminal block
410 x 335 x 105	320 x 270 x 101	286 x 236 x 51.5	468 x 260 x 54
8.7	7.5	2.2	7
SGCC	SGCC	SGCC	Aluminum silver
Front panel IP65	Front panel IP65	Front panel IP65	Front panel IP65
Panel mount VESA 75x75 / 100x100 mm	Panel mount VESA 75x75 / 100x100 mm	Panel mount VESA 75x75 mm	Panel mount VESA 75x75 / 100x100 mm
0°C~50°C (with SSD) 0°C~40°C (with HDD)	0°C~50°C (with SSD) 0°C~40°C (with HDD)	-20°C~50°C	0°C~50°C
-20°C~70°C	-20°C~70°C	-20°C~70°C	-20°C~70°C
10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)
CE/FCC Class-B	CE/FCC Class-B	CE/FCC Class-B	CE/FCC Class-B
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Comparison Table

Category		Outdoor Panel PC		Stainless Steel Panel PC
Model No.	Models	IDOOH-215-PC	IDOOH-215-IR	INOSP-192-RE
Display & Touch	Display Size	21.5"	21.5"	19"
	Max. Resolution	1920 x 1080	1920 x 1080	1280 x 1024
	Luminance (cd/m2)	Up to 1300nits, default @75%	Up to 1200nits, default @75%	350
	Contrast Ratio	3000:1	1000:1	1000:1
	View Angle (H/V)	178/178	140/120	170/160
	Light Transmission (%)	70	88	80
	Touch Type	Projected capacitive	IR touch	Resistive
	Touch Interface	USB	USB	USB
System	Processor	AMD Ryzen™ Embedded V1605B (Quad-Core @ 3.6GHz)	Intel® Atom® Processor E3845	Intel® Atom® Processor E3845
	Chipset	N/A	N/A	N/A
	Graphics	AMD Ryzen™ Embedded Build-in	Intel® Atom® x6413E Processor	Intel® Atom® SoC integrated Gen7 graphics
	Memory	2x DDR4 SO-DIMM, up to 32GB, default DDR4 8GB (4GBx2)	2x DDR4-3200 SO-DIMM, Max. 32GB	2x DDR3L SO-DIMM
	Max. Memory	Up to 32GB	Up to 32GB	Up to 8GB
I/O Interface	Display	1x HDMI Port (M12)	1x DisplayPort	N/A
	USB	1x USB 2.0	3x USB 3.1 (Type-A) 1x USB (Type-C)	1x USB 3.2 Gen1 (optional) 1x USB 2.0
	LAN	1x GbE (M12 17 Pin)	3x GbE	1x GbE 2nd GbE (optional)
	Serial Port	N/A	N/A	1x RS232/422/485 1x RS232
	Audio	N/A	N/A	N/A
	Digital I/O	N/A	N/A	N/A
	Power Button	1x Power button	N/A	N/A
Storage	SSD	1x 2.5" SATA II SSD	1x 2.5 SATA II SSD	1x 2.5" SATA II SSD
	mSATA/M.2	1x mSATA	1x mSATA	1x mSATA
Expansion	Expansion Slot	N/A	N/A	N/A
	Internal Expansion bus	1x M.2 (E-key, type:2230) 1x M.2 (M-key, type:2280, NVMe)	1x M.2 (E-key, type:2230) 1x Mini PCI-E / mSATA	2x Mini PCI-E (1x full-size, 1x half-size)
Power	Power Input	19V DC-in (M12 17 Pin)	90V ~ 240V AC-in	10V~30V DC-in
	Power Connector	M12 17 pin connector	AC inlet	1x M12
Mechanical	Dimensions (mm)	543 x 349.2 x 105 (w/ Lid)	574 x 357 x 82.5	470 x 390 x 62.5
	Weight (kgs)	8.1	7.5	17
	Chassis Material	Aluminus and SGCC	Aluminus and SGCC	304 stainless steel 316 stainless steel (option)
	IP Rating	Fully IP65	Front panel IP65	IP65 / IP69K
	Mounting	VESA 100x100 mm	VESA 200x200 mm/ 200x100 mm	VESA 75x75 / 100x100 mm
Environmental	Operating Temperature	-5°C~45°C	Low Temperature: -40°C with installed heater inside High Temperature: with 1120 W/m2 solar energy: 44 °C	0°C~50°C
	Storage Temperature	-20°C~60°C	-20°C~60°C	-20°C~70°C
	Storage Humidity	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)
	Certification	CE/FCC Class B	CE/FCC Class B	CE/FCC Class-B
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	Open-Frame Panel PC		
INOSP-152-RE	OFP-W2700-PCI86	OFP-W2700-PCV16	OFP-W2700-PCR15
15"	27"	27"	27"
1024 x 768	1920 x 1080	1920 x 1080	1920 x 1080
500	250 1000 (optional)	250 1000 (optional)	250 1000 (optional)
800:1	1000:1	1000:1	1000:1
160/160	178/178	178/178	178/178
80	85	85	85
Resistive	Projected capacitive IR cut solution (optional)	Projected capacitive IR cut solution (optional)	Projected capacitive IR cut solution (optional)
USB	USB	USB	USB
Intel® Atom® Processor E3845	8th Gen Intel® Core™ i7-8665UE	AMD Ryzen™ V1000	AMD Ryzen™ R1000
N/A	N/A	N/A	N/A
Intel® Atom® SoC integrated Gen7 graphics	Intel® UHD Graphics 620	AMD Radeon™ HD GPU	AMD Radeon™ HD GPU
2x DDR3L SO-DIMM	2x DDR4 SO-DIMM	2x DDR4 SO-DIMM	2x DDR4 SO-DIMM
Up to 8GB	Up to 32GB	Up to 32GB	Up to 32GB
N/A	1x DisplayPort 1x USB Type-C	2x HDMI	2x HDMI
1x USB 3.2 Gen1 (optional) 1x USB 2.0	4x USB 3.2 Gen1	4x USB 3.2 Gen1	4x USB 3.2 Gen1
1x GbE 2nd GbE (optional)	2x GbE	2x GbE	2x GbE
1x RS232/422/485 1x RS232	1x RS232/422/485 1x RS232	1x RS232/422/485 1x RS232	1x RS232/422/485 1x RS232
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	1x 2-pin terminal block	1x 2-pin terminal block	1x 2-pin terminal block
1x 2.5" SATA II SSD	1x 2.5" SATA III SSD	1x 2.5" SATA III SSD	1x 2.5" SATA III SSD
1x mSATA	1x M.2 (M-key)	1x M.2 (M-key)	1x M.2 (M-key)
N/A	N/A	N/A	N/A
2x Mini PCI-E (1x full-size, 1x half-size)	1x M.2 M-key 2280	1x M.2 M-key 2280 1x M.2 E-key 2230	1x M.2 M-key 2280 1x M.2 E-key 2230
10V~30V DC-in	9V~24V DC-in	12V~24V DC-in	12V~24V DC-in
1x M12	1x 3-pin terminal block	1x 3-pin terminal block	1x 3-pin terminal block
425 x 330 x 62.5	660.77 x 421.66 x 98	660.77 x 421.66 x 98	660.77 x 421.66 x 98
13.5	14.6	14.6	14.6
304 stainless steel 316 stainless steel (option)	SGCC	SGCC	SGCC
IP65 / IP69K	Front panel IP65	Front panel IP65	Front panel IP65
VESA 75x75 / 100x100 mm	open-frame design	open-frame design	Open-Frame design
0°C~50°C	-10°C~50°C	-10°C~50°C	-10°C~50°C
-20°C~70°C	-20°C~70°C	-20°C~70°C	-20°C~70°C
10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)
CE/FCC Class-B	N/A	N/A	N/A
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Comparison Table

Category		Open-Frame Panel PC		
Model No.	Models	OFP-W2700-PCI50	OFP-2101-PC	OFP-2100-PC
Display & Touch	Display Size	27"	21.5"	21.5"
	Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080
	Luminance (cd/m2)	250 1000 (optional)	250	250
	Contrast Ratio	1000:1	1000:1	1000:1
	View Angle (H/V)	178/178	178/178	178/178
	Light Transmission (%)	85	89	89
	Touch Type	Projected capacitive IR cut solution (optional)	Projected capacitive	Projected capacitive
	Touch Interface	USB	USB	USB
System	Processor	Intel® Pentium® QC N4200	7th Gen Intel® Core™ U-series	Intel® Pentium® QC N4200
	Chipset	N/A	N/A	N/A
	Graphics	Intel® HD Graphics 505	Intel® HD Graphics 620	Intel® HD Graphics 505
	Memory	1x DDR3L SO-DIMM	2x DDR4 SO-DIMM	2x DDR3L SO-DIMM
	Max. Memory	Up to 8GB	Up to 32GB	Up to 8GB
I/O Interface	Display	1x HDMI	1x DisplayPort 1x HDMI	1x DisplayPort 1x HDMI
	USB	4x USB 3.2 Gen1	4x USB 3.2 Gen1	4x USB 3.2 Gen1
	LAN	2x GbE	2x GbE	2x GbE
	Serial Port	1x RS232/422/485 1x RS232	1x RS232/422/485	1x RS232/422/485 (RJ45)
	Audio	N/A	N/A	N/A
	Digital I/O	N/A	N/A	N/A
	Power Button	1x 2-pin terminal block	1x 2-pin terminal block	1x 2-pin terminal block
Storage	SSD	1x 2.5" SATA III SSD	1x 2.5" SATA III SSD	1x 2.5" SATA III SSD
	mSATA/M.2	1x mSATA	1x mSATA	1x mSATA
Expansion	Expansion Slot	N/A	N/A	N/A
	Internal Expansion bus	2x Mini PCI-E (1x full-size, 1x half-size)	1x mini PCI-E half size	1x mini PCI-E full-size 1x M.2 B-key 3042
Power	Power Input	12V~24V DC-in	9V~24V DC-in	9V~36V DC-in
	Power Connector	1x 3-pin terminal block	1x 3-pin terminal block	1x 3-pin terminal block
Mechanical	Dimensions (mm)	660.77 x 421.66 x 98	543 x 334 x 88.2	543 x 334 x 88.2
	Weight (kgs)	14.6	7.7	7.6
	Chassis Material	SGCC	SGCC	SGCC
	IP Rating	Front panel IP65	Front panel IP65	Front panel IP65
	Mounting	open-frame design	open-frame design	open-frame design
Environmental	Operating Temperature	-10°C~50°C	0°C~50°C	0°C~50°C
	Storage Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C
	Storage Humidity	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)
	Certification	N/A	CE/FCC Class-B	CE/FCC Class-B
	Page No.	p.49 - 51	p.52 - 54	p.52 - 54

	Compact Panel PC		
OFP-151-PC	BYTEM-121-PC	BYTEM-101-PC	BYTEM-W075/4
15"	12.1"	10.1"	7"
1024 x 768	1024 x 768	1280 x 800	1024 x 600
420	350	350	500
600:1	800:1	800:1	800:1
160/160	160/160	170/170	150/150
89	85	85	85
Projected capacitive	Projected capacitive	Projected capacitive	Projected capacitive
USB	USB	USB	USB
Intel® Pentium® QC N4200	Intel® Atom® Processor E3845	Intel® Atom® Processor E3845	Intel® Atom® Processor x6425E
N/A	N/A	N/A	N/A
Intel® HD Graphics 505	Intel® Atom® SoC integrated Gen7 4EUs graphics	Intel® Atom® SoC integrated Gen7 4EUs graphics	Intel® Graphics Gen11, up to 32 EU
2x DDR3L SO-DIMM	2x DDR3L SO-DIMM	2x DDR3L SO-DIMM	1x DDR4 SO-DIMM
Up to 8GB	Up to 8GB	Up to 8GB	Up to 16GB
1x DisplayPort 1x HDMI	1x DisplayPort	1x DisplayPort	1x HDMI
4x USB 3.2 Gen1	1x USB 3.2 Gen1 1x USB 2.0	1x USB 3.2 Gen1 1x USB 2.0	4x USB 3.2 Gen1 1x USB 2.0
2x GbE	2x GbE	2x GbE	2x GbE
1x RS232/422/485 (RJ45)	1x RS232/422/485 1x RS232	1x RS232/422/485 1x RS232	1x RS232/422/485 1x RS232
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
1x 2-pin terminal block	1x power button	1x power button	1x power button
1x 2.5" SATA III SSD	1x 2.5" SATA II SSD	1x 2.5" SATA II SSD	N/A
1x mSATA	1x mSATA	1x mSATA	1 x M.2 B-key 3042
N/A	N/A	N/A	N/A
1x mini PCI-E full-size 1x M.2 B-key 3042	2x Mini PCI-E (1x full-size, 1x half-size)	2x Mini PCI-E (1x full-size, 1x half-size)	1x full-sized mPCI-E(x1) w/ USB + PCI-E signal 1x M.2 E-key 2230 1x M.2 B-key 3042
9V~36V DC-in	9V~30V DC-in	9V~30V DC-in	12V DC-in
1x 3-pin terminal block	1x 3-pin terminal block	1x 3-pin terminal block	1x 3-pin terminal block
375.2 x 289.6 x 60.9	317 x 255 x 59.6	285 x 204 x 59.6	211.5 x 143.5 x 52
5	4.3	3.3	1.6
SGCC	Aluminum and white steel	Aluminum and white steel	Aluminum and white steel
Front panel IP65	Front panel IP65	Front panel IP65	Front panel IP65
open-frame design	VESA 75x75 mm	VESA 75x75 mm	Panel mount VESA 75x75 mm
-10°C~50°C	0°C~50°C	0°C~50°C	-10°C~50°C
-20°C~70°C	-20°C~60°C	-20°C~60°C	-20°C~60°C
10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)
CE/FCC Class-B	CE/FCC Class B	CE/FCC Class B	CE/FCC Class B
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Comparison Table

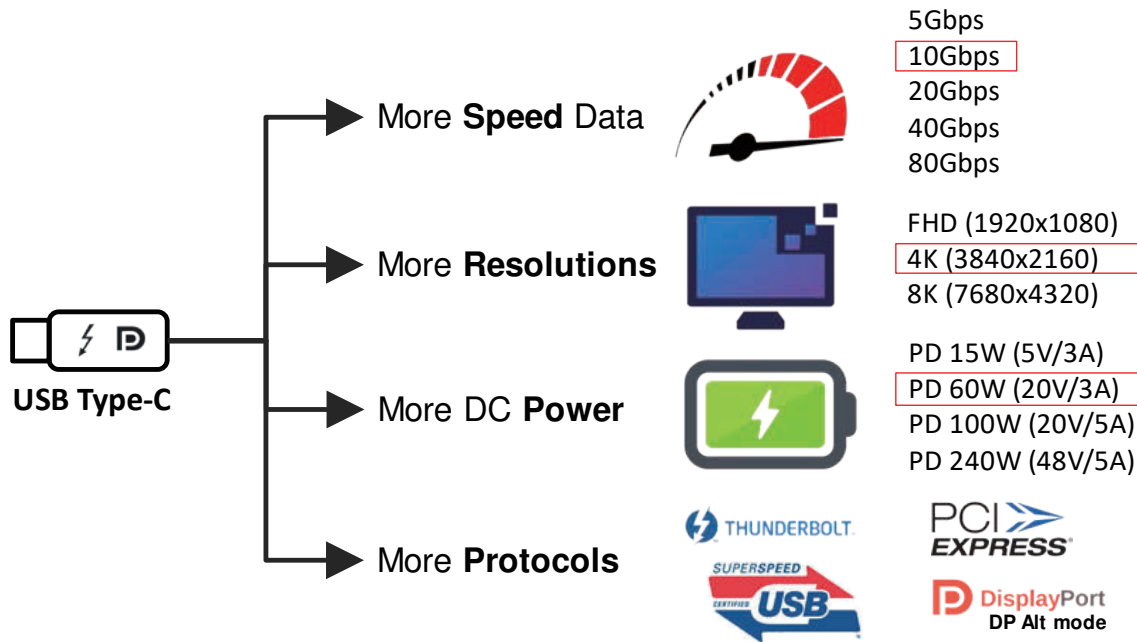
Category		Compact Panel PC		ARM-based Panel PC
Model No.	Models	BYTEM-W072-PC	BYTEM-W071-PC	BYARM-181-PC
Display & Touch	Display Size	7"	7"	18.5"
	Max. Resolution	1024 x 600	1024 x 600	1366 x 768
	Luminance (cd/m2)	500	500	300
	Contrast Ratio	800:1	800:1	1000:1
	View Angle (H/V)	150/150	150/150	170/160
	Light Transmission (%)	85	85	85
	Touch Type	Projected capacitive	Projected capacitive	Projected capacitive
	Touch Interface	USB	USB	USB
System	Processor	Intel® Atom® Processor E3825	Intel® Atom® Processor E3845	NXP i.MX6 Cortex A9 Solo 1 Core @ 1GHz
	Chipset	N/A	N/A	N/A
	Graphics	Intel® Atom® SoC integrated Gen7 4EUs graphics	Intel® Atom® SoC integrated Gen7 4EUs graphics	NXP i.MX6 Cortex A9 Solo 1 Core
	Memory	1x DDR3L SO-DIMM	2x DDR3L SO-DIMM	1x DDR3 SO-DIMM
	Max. Memory	Up to 8GB	Up to 8GB	Up to 1GB
I/O Interface	Display	1x DisplayPort 1x VGA	1x DisplayPort	1x DisplayPort
	USB	1x USB 3.2 Gen1 1x USB 2.0	1x USB 3.2 Gen1 1x USB 2.0	1x USB (Type-A) 1x USB OTG
	LAN	1x GbE	2x GbE	1x GbE
	Serial Port	1x RS232/422/485	1x RS232/422/485 1x RS232	1x RS232/422/485
	Audio	N/A	N/A	N/A
	Digital I/O	N/A	N/A	N/A
	Power Button	1x power button	1x power button	1x power button
Storage	SSD	N/A	N/A	N/A
	mSATA/M.2	1x mSATA	1x mSATA	1x mSATA
Expansion	Expansion Slot	N/A	N/A	N/A
	Internal Expansion bus	3x Mini PCI-E (2x full-size, 1x half-size)	2x Mini PCI-E (1x full-size, 1x half-size)	TBD
Power	Power Input	12V DC-in	9V~30V DC-in	12V DC-in
	Power Connector	1x DC Jack	1x DC Jack	1x DC Jack
Mechanical	Dimensions (mm)	211.5 x 143.5 x 52	211.5 x 143.5 x 52	520 x 341 x 68.3
	Weight (kgs)	1.5	1.5	6.1
	Chassis Material	Aluminum and white steel	Aluminum and white steel	Black aluminum front bezel and black steel back cover
	IP Rating	Front panel IP65	Front panel IP65	IP65 front bezel
	Mounting	Panel mount VESA 75x75 mm	Panel mount VESA 75x75 mm	VESA 75x75, 100x100 mm
Environmental	Operating Temperature	-10°C~50°C	-10°C~50°C	0°C~50°C
	Storage Temperature	-20°C~60°C	-20°C~60°C	-20°C~60°C
	Storage Humidity	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)	10%~90% (non-condensing)
	Certification	CE/FCC Class-B	CE/FCC Class-B	CE/FCC Class-B
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Medical Panel PC	Self-Service Panel PC	
UMT-7212	UPC-7210	UPC-6210
21.5"	21.5"	21.5"
1920 x 1080	1920 x 1080	1920 x 1080
300	250	250
1000:1	1000:1	1000:1
178/178	178/178	178/178
87	89	89
Projected capacitive	Projected capacitive	Projected capacitive
USB	USB	USB
7th /6th Gen Intel® Core™ U-series i7/i5/i3	7th Gen Intel® Core™ U-series i7/i5/i3	Intel® Atom® Processor E3825 Intel® Celeron® Processor J1900
N/A	N/A	N/A
Intel® HD Graphics 620	Intel® HD Graphics 620	Intel® Atom® SoC integrated Gen7 graphics
2x DDR4 SO-DIMM	2x DDR4 SO-DIMM	1x DDR3L SO-DIMM
Up to 32GB	Up to 32GB	Up to 8GB
1x DisplayPort	1x DisplayPort 1x HDMI 1.4	1x DisplayPort 1x VGA
2x USB 3.2 Gen1 2x USB 2.0	4x USB 3.2 Gen1	1x USB 3.2 Gen1 1x USB 2.0
2x GbE	2x GbE	1x GbE
1x RS232/422/485 (isolated) 1x RS232 (isolated)	1x RS232/422/485	1x RS232/422/485
N/A	1x Line-out, 1x MIC-in 1x Line-in	1x Line-out, 1x MIC-in 1x Line-in
N/A	N/A	N/A
1x Power button P-CAP type	1x Rock switch	1x Rock switch
1x 2.5" SATA II SSD	1x 2.5" SATA III SSD	1x 2.5" SATA II SSD
1x M.2 (M-key 2280)	1x mSATA	1x mSATA
1x PCIe (x4)	N/A	N/A
1x Mini PCI-E full-size 1x M.2 E-key 2230	1x Mini PCI-E full-size	3x Mini PCI-E (2x full-size, 1x half-size)
90V ~ 240V AC-In	12V/24V DC-In	12V DC-In
IEC60320 C14	1x DC Jack	1x DC Jack
557 x 360 x 80	529 x 321 x 59	529 x 321 x 59
6.7	9	9
Aluminum and Sheet metal	AL 5052	AL 5052
Front panel IP65 Rear side IP54 (except I/O side)	Front panel IP65	Front panel IP65
VESA 100x100 mm	VESA 100x100 mm	VESA 100x100 mm
0°C~40°C	0°C~50°C	0°C~50°C
-20°C~60°C	-20°C~70°C	-20°C~70°C
10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)	10%~90% @40°C (non-condensing)
CE/FCC Class-B and LVD EN 60601-1: 2006 + A1: 2013 (IEC 60601-1: 2012 reprint) EN 60601-1-2:2015 (IEC 60601-1-2:2014)	CE/FCC Class-B	CE/FCC Class-B
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USB Type-C Technology

USB Type-C Single Cable Connection

A single USB Type-C cable supports data, high-definition video, audio, power, and multiple protocols.



The New Panel PC adopts Type-C technology, using a single cable to support data transfer, high-definition video, audio, power, and various protocols. The red Box indicates the recommended specifications for a 2-meter cable. Shorter cables can provide higher power and faster transfer speeds.

USB Type-C DP Alternate Mode And Length

Cable length $\approx$ 2M (up to 60W) / up to 10Gbps / up to 4K Resolution

Cable length $\leq$ 0.8M (up to 240W) / up to 40Gbps / up to 8K Resolution



The New Panel PC uses an industrial-grade Type-C connector with a screw lock for enhanced stability and reliability.

IXPC Panel PC Solution for POS and Kiosk

We Do the Computing Platform — You Create the ID design

IXPC series with bezel-free touch display provides flexibility for customers to design the front bezel according their environmental application. The system provides flexible modular design to enhance integration with high product flexibility

IPPL Series

15" ~ 27" Touch Monitor



Single Cable Connection



IXPC Series

ACS Series

Intel® Processors BoX PC



IXPC Series

POS or Interactive Kiosk for Product Information and Self-Ordering Services



IXPC / OFP Series

Semi-Outdoor Kiosk with High Brightness Display for Entertainment Systems



IXPC / OFP Series

Outdoor Kiosk with Touch Solution for Electric Vehicle Charging Stations

IPPL-W215 Touch Monitor Series

Fully Waterproof Monitor Series

USB Type-C Single Cable Connection



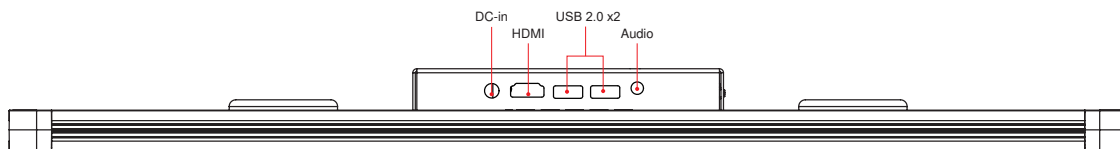
Features

- Compliance with EU 6mm T&V-Slot™ Linear Rail Groove
- 21.5" true-flat FHD LCD panel with projected capacitive touchscreen
- Fully Waterproof Design (Front Panel IP65 and Body IP54)
- USB-C single cable connection (Need PD60W ACS200-210)
- Supports auto dimming function
- Supports HDMI-IN, USB 2.0 x2, Audio out and DC-in
- Wide Range Power Input +12V ~ 24V DC
- Optional Camera and Microphone
- Optional Sunlight Readable Panel 1,500nits
- Optional Heat Blocking Film for UV and IR-Cut
- Optional IR remote controller

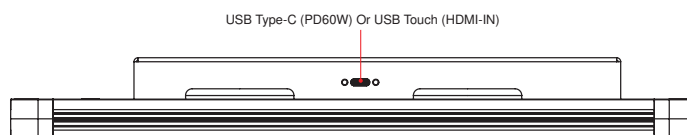
Display	Panel Size (inch)	21.5 (16:9)
	View Angle (H°/V°)	178° / 178°
	Resolution	1920 x 1080
	Brightness (cd/m2)	800
	Contrast Ratio	1000 : 1
Touch Screen	Panel Interface	LVDS
	Type	Projected Capacitive touch
	Point of touch	10
	Light Transmission (%)	85±2.5%
	Glass Thickness	3mm
Power	Surface Hardness	7H
	Touch Interface	USB
Mechanical	Power Input Range	+12V ~24V DC
	Dimensions (mm)	540 x 331 x 40
	Net Weight (kgs)	5.6

I/O Interface	USB 3.0	1x USB Type-C (Alternate mode)
	USB 2.0	2
	LAN	N/A
	HDMI-IN	1
	Audio Out	1
	DC-in	DC Jack 55mm/25mm
	OSD Button	1
Environmental	Operating Temperature	0°C~45°C
	Storage Temperature	-20~60°C
	Storage Humidity	5%~90% @ 50°C, (non-condensing)
	Certification	CE/FCC Class-B
Construction	Chassis Material	Aluminum and SGCC
	Color (Front/Back)	Gray / Black
	IP Rating	IP65 front-panel waterproof and body IP54
	Mounting	VESA 100x100 mm

Bottom External I/O

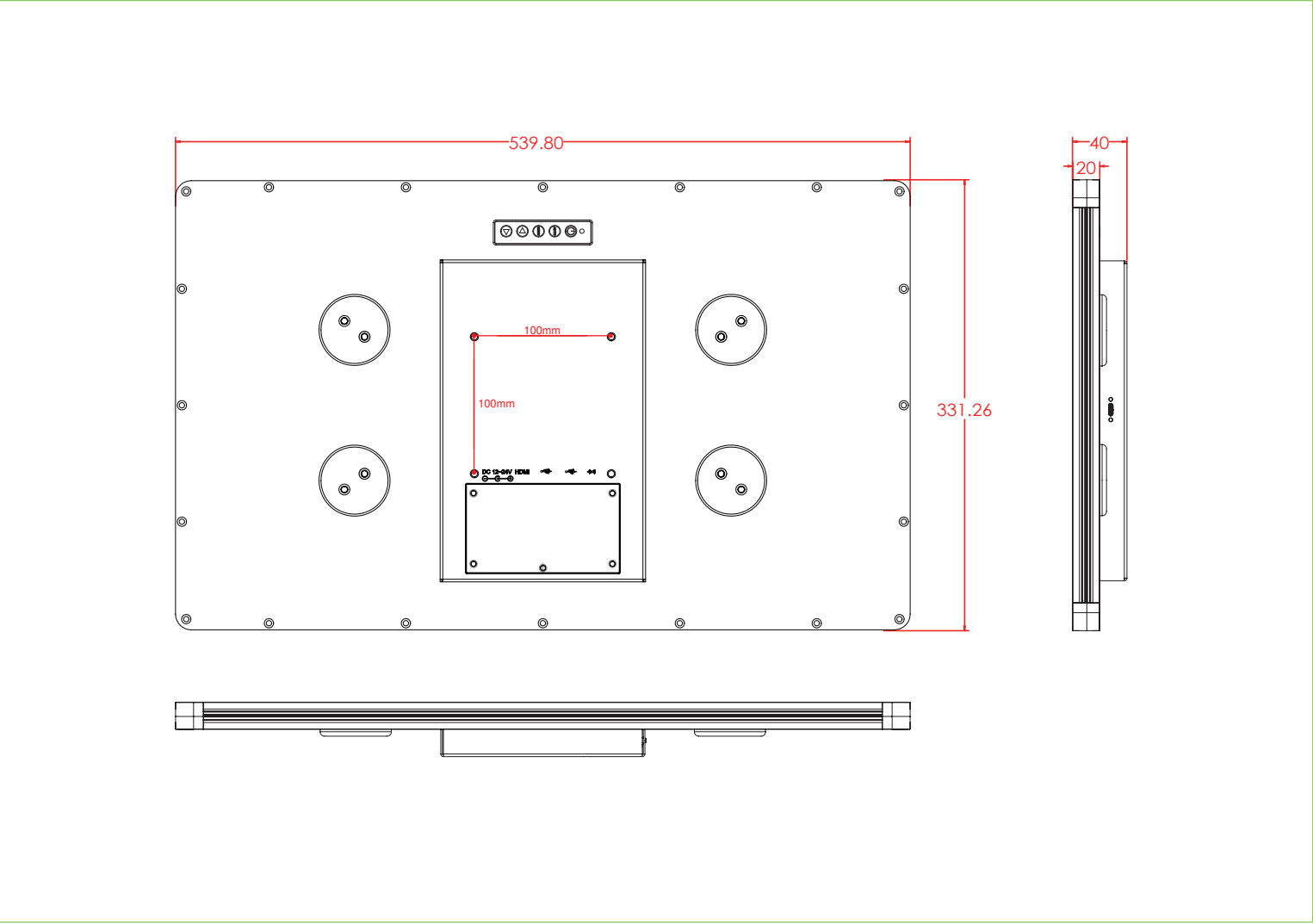


Side External I/O (Waterproof Type-C)



IPPL-W215 Touch Monitor Series

Dimensions



Ordering Information

Model Number	Display	Camera	Microphone	USB Type-C	USB 2.0 Downstream	HDMI	Earphone 3.5mm	DC-in	Note
IPPL-W215-CA	21.5" FHD 800nits	1	1	1	2	1	1	+ 12~24V	No USB-C PD need DC-in 12~24V
IPPL-W215	21.5" FHD 500nits	N/A	N/A						

Packing List

Part Number	Description	Qty.
-	IPPL-W210	1
-	Manuals download instructions	1
-	USB Type-C Cable (200CM)	1
-	USB Type-C O-Ring(1.5CS X 7mm)	4

Optional Items

Part Number	Description
TBD	USB Type-C Cable (30CM)
ACS200-210-N305	Intel® i3-N305 Processor USB-C PD 60W Box PC
ACS200-210-N97	Atom® N97 Processor USB-C PD 60W Box PC
ACS200-210-7835	Atom® X7835RE Processor USB-C PD 60W Box PC
ACS200-210-N355	Intel® i3-N355 Processor USB-C PD 60W Box PC



● NOTE: Other panel size requirements. Please contact sales.



Features

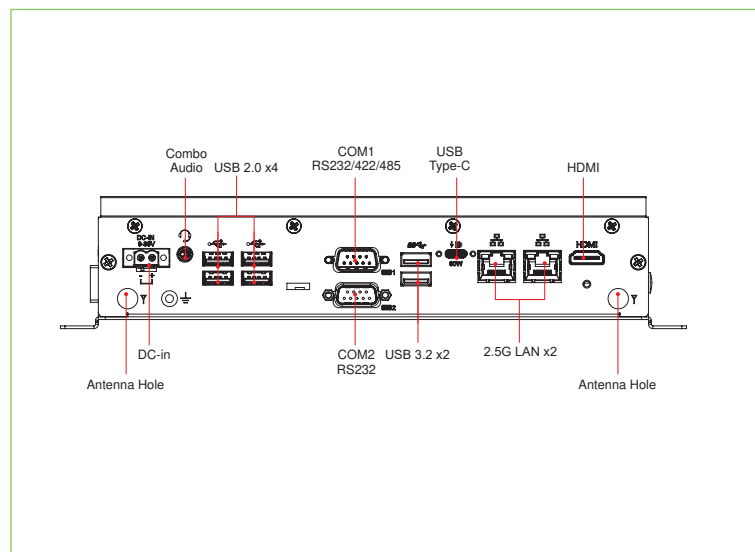
- Intel® Atom® x7000E Series / N-series/ Core™ i3-N305 Processors
- 2x COM with optional 4x COM (Pin9 supports 5V,12V)
- 4x DI, 4x DO, 2x USB 3.2, 4x USB 2.0, USB Type-C (supports Alternate mode and PD 60W)
- Supports M.2 sockets for Wi-Fi / BT and 4G/5G communication with Nano SIM slot
- Supports hardware TPM 2.0 security
- Wide Range Power Input +9V ~ 36V DC-IN

Specifications

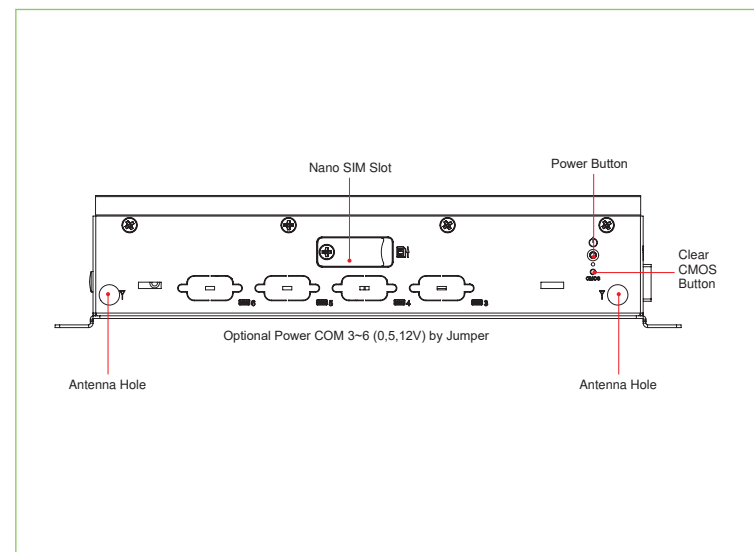
System	Processor	Intel® Atom® N97 Processor (Quad-Core @ 3.6GHz) Intel® Core i3-N305 Processor (Eight-Core @ 3.8GHz) Intel® Atom® X7835RE Processor (Eight-Core @ 3.6GHz)
	Memory	1x DDR4 SO-DIMM, up to 16GB, default 8GB
	Thermal Design	Fanless
	Membrane Control	None
	Built-in Speaker/Mic	None
I/O Interface	USB 3.0	2x USB 3.2 1x USB Type-C (Alternate mode w/ PD 60W)
	USB 2.0	4
	RS-232/422/485 Selectable via BIOS	COM 1
	RS-232	COM 2 and optional 3~6 ports
	LAN	2x GbE
	Additional Graphics	HDMI 1x USB-C (DP Alternate mode)
	Audio	Combo Jack
	Digital I/O	4x DI and DOx4
	Power Connector	2Pin Bare-Wire DC-in & GND Screw
	Power Button	Tact Switch

Expansion	Internal Expansion Bus	1x M.2 2280 (M key) 1x M.2 2230 (E-key) 1x M.2 3043 (B-key)
	Expansion Slot	N/A
	Wireless	Optional Wi-Fi/BT/4G/5G/LTE
Storage Space	HDD	N/A
	Removable	N/A
Power	Power Input Range	+9V ~ 36V DC
Mechanical	Dimensions (mm)	242.2 x 110 x 54.15
	Net Weight (kgs)	1.65
	Chassis Material	Aluminum and SGCC
Construction	Color (Front/Back)	Gray / Gray
	IP Rating	N/A
	Mounting	VESA 75x75 and 100x100 mm, Optional DIN-Rail kit, Wall Mount
Environmental	Operating Temperature	-20°C~45°C for N97 and N305 -30°C~60°C for X7835RE with air flow
	Storage Temperature	N97 and N305: -30~60°C X7835RE: -40~80°C
	Storage Humidity	5%~90% @ 50°C, (non-condensing)
	Certification	CE/FCC Class-B
	Supported Operating Systems	Microsoft Windows 10,11, Linux Kernel 4+

Rear External I/O

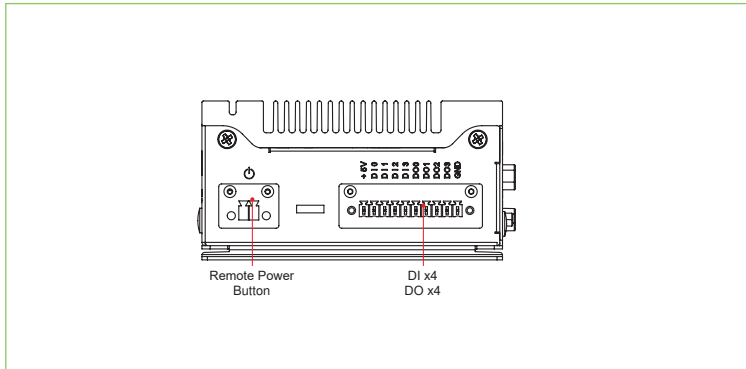


Front External I/O

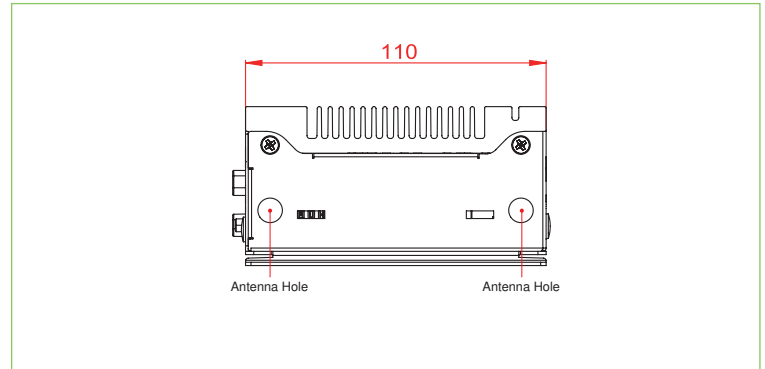


ACS200-210

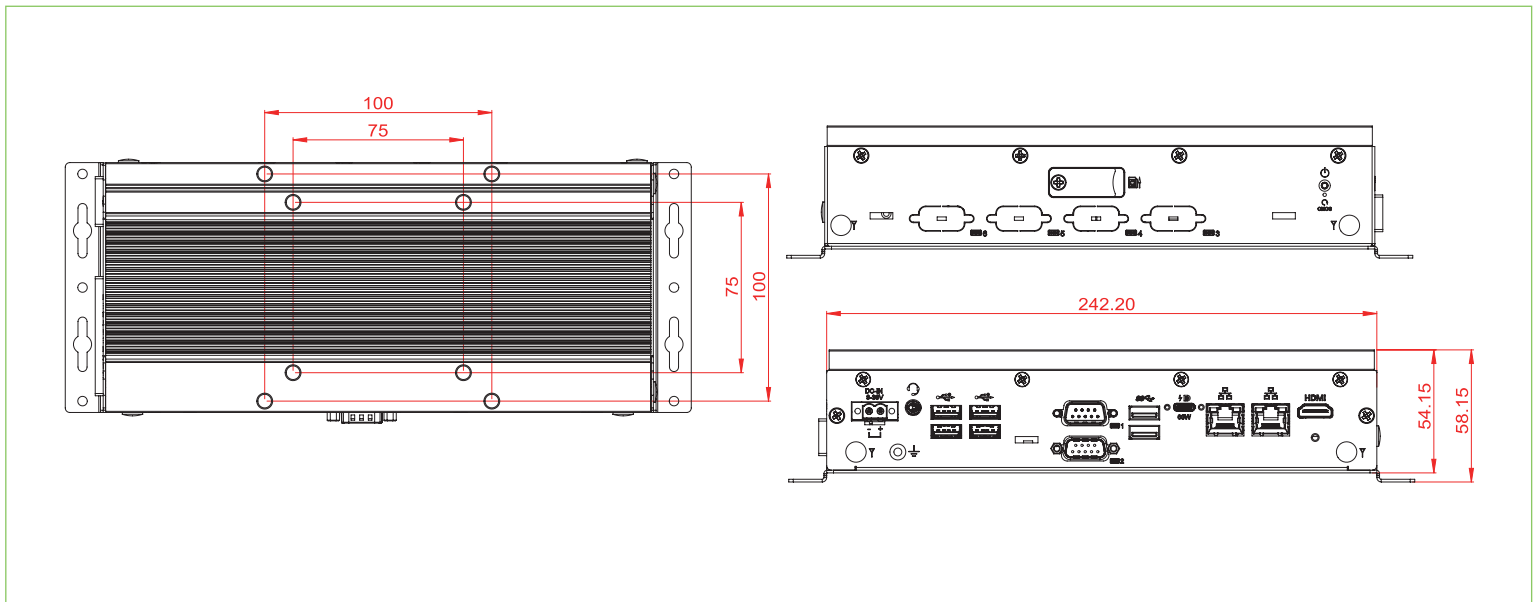
Left Side External I/O



Right Side External I/O



Dimensions



Ordering Information

Model Number	CPU	RAM	Storage	Display	LAN	USB	COM Ports	Audio	M.2 or Mini PCI-E	Power Input	Note
ACS200-210-N305	Intel® i3-N305 Processor	8G	128G	1x HDMI	2x 2.5G	4x USB 2.0 2x USB 3.2 1x USB-C	2	1	3	9V~36V	USB Type-C Supports PD 60W
ACS200-210-N97	Intel® Atom® N97 Processor										
ACS200-210-7835	Intel® Atom® X7835RE Processor										
ACS200-210-N355	Intel® i3-N355 Processor										

Packing List

Part Number	Description	Qty.
-	ACS200-210 Box PC	1
D2MANUAL-0000100P	Manuals & Driver download instructions	1
C12162ESD02105000P	DC-in Dinkle bare-wire converter	1
C1216EC3802103000P	POWER SW Dinkle bare-wire converter	1
C1216EC3810103000P	DIO Dinkle bare wire converter	1

Optional Items

Part Number	Description	Qty.
A005PS090W0100710P	AC 100V~240V Adaptor 90W DC 24V/3.75A	1
A005PS180W0100800P	AC 100V~240V Adaptor 180W DC 24V/7.5A	1
A030PCEUR03000000P	EU AC Power Cord (183CM)	1
A030PCEN020100000P	UK AC Power Cord (183CM)	1
A030PCAM040100000P	US AC Power Cord (183CM)	1
A030PCJP050001000P	JP AC Power Cord (183CM)	1
H06Z01RAAMS3XX00AP	DIN-Rail KIT with screw	1
C501PK15609202800P	CBL;PK1-56B 2-HD 9C (10CM) for COM 3,4	2
C501PK15609202000P	CBL;PK1-56 2-HD 9C (25CM) for COM 5,6	2

● NOTE: When connecting to an IPPL high-brightness >700nits or using it in a high-temperature >45°C environment for a long time, please choose 180W.



Features

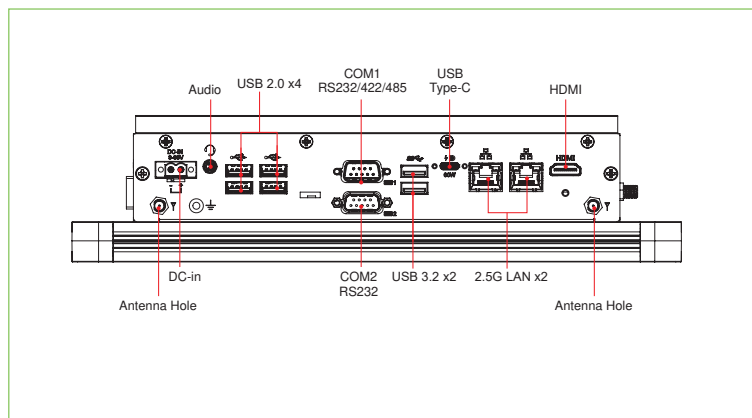
- Intel® Atom® x7000E Series/ N-series/ Core™ i3-N305 Processors
- Compliance with 6mm T and V-Slot™ Standard Groove
- 12.1" flat LCD panel with projected capacitive touchscreen
- IP65 Front Panel Waterproof Design
- Rich I/O supports 2x COM, 4x Optional Power COM, 4x DI, 4x DO, USB Type-C with PD 60W Alternate mode and 6x USB (2x USB 3.2 + 4x USB 2.0)
- Supports M.2 sockets for Wi-Fi / BT and 4G/5G communication with a Nano SIM slot
- Supports hardware TPM2.0 security
- Wide Range Power Input +9V ~ 36VDC

Specifications

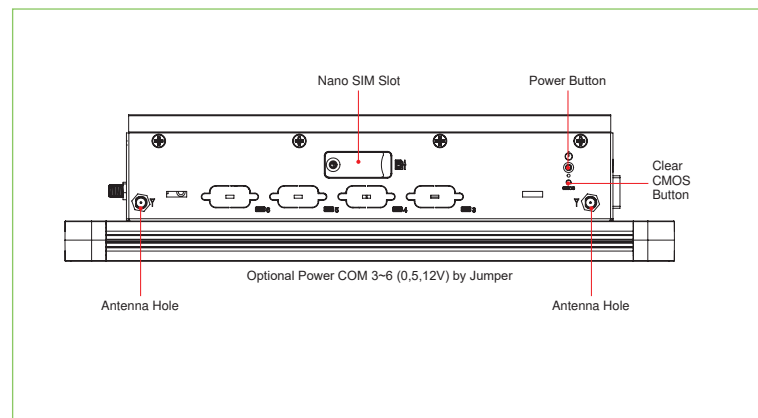
Display & Touch Screen	Display Size	12.1"
	Max. Resolution	1024 x 768
	Luminance (cd/m2)	500
	Contrast	1000:1
	Max. Color	16.7M
	View Angle (H/V)	178/178
	Backlight Lifetime(hrs)	30,000
	Touch Type	Projected capacitive
	Touch Interface	USB
	Light Transmission (%)	85
System	Point of touch	Up to 10
	Processor	Intel® Atom® N97 Processor (Quad-Core @ 3.6GHz) Intel® Core i® i3-N305 Processor (Eight-Core @ 3.8GHz) Intel® Atom® X7835RE Processor (Eight-Core @ 3.6GHz)
	Memory	1x DDR4 SO-DIMM, up to 16GB, default 8GB
	Thermal Design	Fanless
	Membrane Control	None
	Built-in Speaker/Mic	None
Expansion	Internal Expansion Bus	1x M.2 2280 (M key + B-key) 1x M.2 2230 (E-key) 1x M.2 3043 (B-key)
	Expansion Slot	N/A
	Wireless	Optional Wi-Fi/BT/4G/5G/LTE
Storage Space	HDD	N/A
	Removable	N/A

I/O Interface	USB 3.0	2x USB 3.2 1x USB Type-C (Alternate mode w/ PD 60W)
	USB 2.0	4
	RS-232/422/485 Selectable via BIOS	COM 1
	RS-232	COM2 and optional 3~6
	LAN	2x GbE
	Additional Graphics	HDMI 1x USB-C (DP Alternate mode)
	Audio	Combo Jack
	Digital I/O	4x DI and 4x DO
	Power Connector	2-pin bare-wire DC-in & GND screw
	Power Button	Tact Switch
Power	Power Input Range	DC +9V~36V
Mechanical	Dimensions (mm)	303.4 x 242 x 72.9
	Net Weight (kgs)	3.6
Environmental	Operating Temperature	-20°C~45°C for N97 and N305 -30°C~60°C for X7835RE with air flow
	Storage Temperature	N97 and N305 -30~60°C X7835RE -40~80°C
	Storage Humidity	10%~90% (non-condensing)
	Certification	CE/FCC Class-B and LVD
	Supported Operating Systems	Windows 10, 11 / Linux Kernel 4+
Construction	Chassis Material	Aluminum and SGCC
	Color (Front/Back)	Gray / Black
	IP Rating	IP65 front-panel waterproof protection
	Mounting	VESA 75x75 and 100x100 mm, Panel Mount and optional side mount

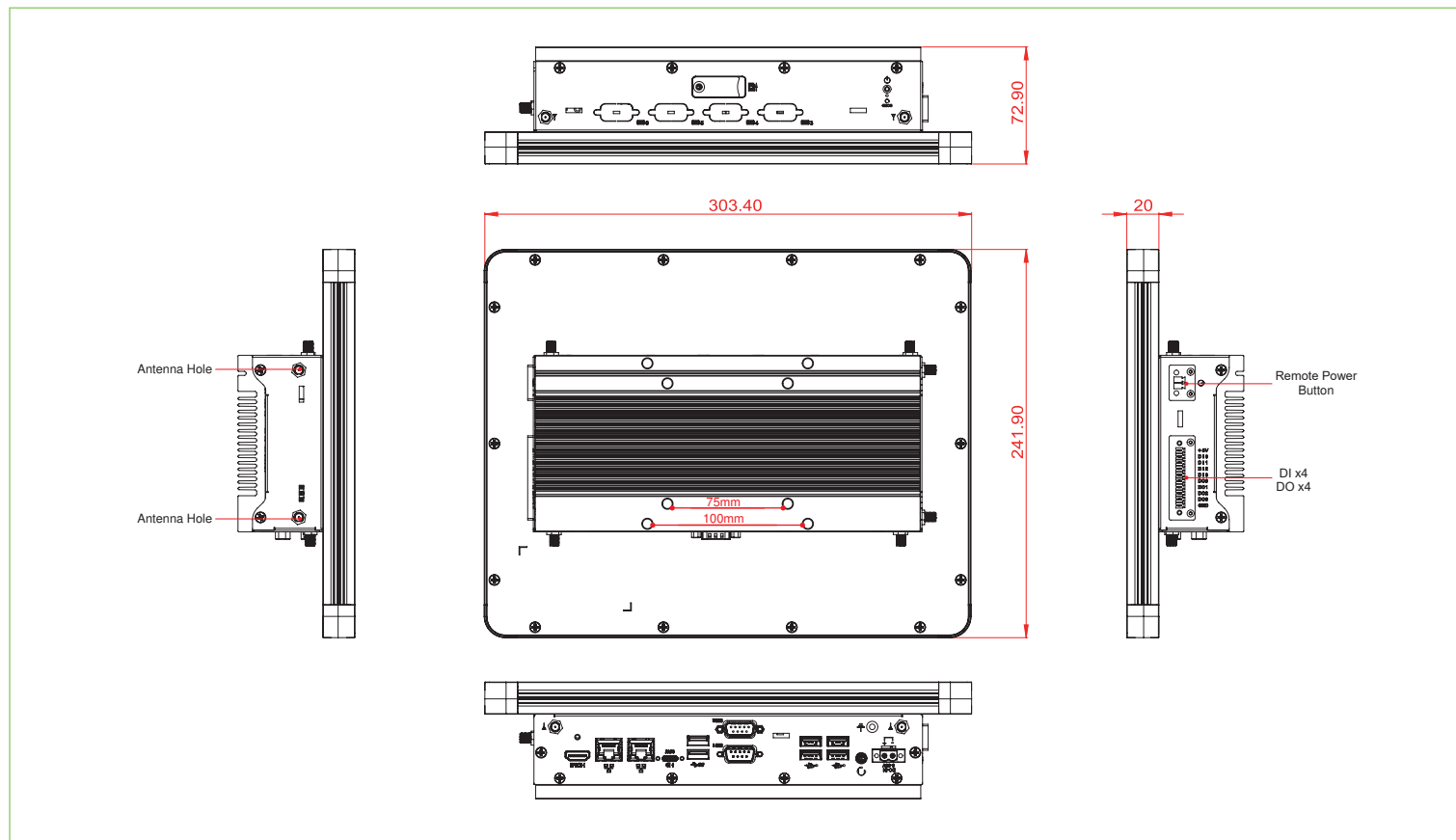
Rear External I/O



Front External I/O



Dimensions



Ordering Information

Model Number	CPU	RAM	Storage	Display	LAN	USB	COM Ports	Audio	M.2 or Mini PCI-E	Power Input	Note
IPPC-121-N305	Intel® i3-N305 Processor	8G	128G	1x HDMI	2x 2.5G	4x USB 2.0 2x USB 3.2 1x USB-C	2	1	3	DC-in +9V~36V	USB Type-C Supports PD 60W
IPPC-121-N97	Intel® Atom® N97 Processor										
IPPC-121-7835	Intel® Atom® X7835RE										
IPPC-121-N355	Intel® i3-N355 Processor										

Packing List

Part Number	Description	Qty.
-	IPPC-121 series Panel PC	1
D2MANUAL--0000100P	Manuals & Driver download instructions	1
C12162ESD02105000P	DC-in Dinkle bare wire converter	1
C1216EC3802103000P	POWER SW Dinkle bare wire converter	1
C1216EC3810103000P	DIO Dinkle bare wire converter	1
H03320M5010101000P	M5 T-Nut for T/V slot	10

Optional Items

Part Number	Description	Qty.
A005PS090W0100710P	AC 100V~240V Adaptor 90W DC 24V/3.75A	1
A005PS180W0100800P	AC 100V~240V Adaptor 180W DC 24V/7.5A	1
A030PCEUR03000000P	EU AC Power Cord (183CM)	1
A030PCEN020100000P	UK AC Power Cord (183CM)	1
A030PCAM040100000P	US AC Power Cord (183CM)	1
A030PCJP050001000P	JP AC Power Cord (183CM)	1
H06Z01RAAMS3XX00AP	DIN-Rail KIT with screw	1
C501PK15609202B00P	CBL;PK1-56B 2-HD 9C (10CM) for COM 3,4	2
C501PK15609202000P	CBL;PK1-56 2-HD 9C (25CM) for COM 5,6	2
H06PNIPPC1210400AP	Panel Mount KIT	6

- When connecting to an IPPL high-brightness >700nits or using it in a high-temperature >45°C environment for a long time, please choose 180W.



- Other panel size requirements. Please contact sales.

IPPC Series 15" 17" 19"



I/O View



Features

- Fanless design



- Front side accessible USB port



- Two PCI-E(x8) expansion slots



- Rich and flexible I/O interface



IPPC1505-RE / IPPC1705-RE / IPPC1905-RE

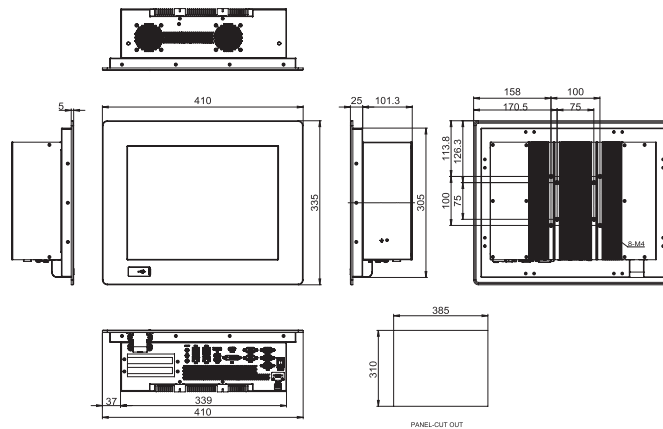
Specifications

Model No.		IPPC1505-RE	IPPC1705-RE	IPPC1905-RE
Display & Touch Screen	Display Size	15" TFT-LCD	17" TFT-LCD	19" TFT-LCD
	Max. Resolution	1024 x 768	1280 x 1024	1280 x 1024
	Luminance (cd/m2)	420	350	350
	Contrast	600:1	800:1	1000:1
	Max. Color	16.2M	16.7M	16.7M
	View Angle (H/V)	160/160	160/140	170/160
	Backlight Lifetime(hrs)	50000	50000	50000
	Touch Type	Resistive		
	Touch Interface	USB		
	Light Transmission (%)	79		
	Point of touch	1		
System	Processor	Intel® Core™ i7-6822EQ/ Core™ i5-6442EQ/ Core™ i5-6440EQ/ Core™ i3-6100E		
	Memory	Max. 32GB, Default 4GB		
	Thermal Design	Fanless		
	Membrane Control	None		
	Built-in Speaker/Mic	None		
I/O Interface	USB 3.0	6		
	USB 2.0	1x at front bezel		
	RS-232/422/485 Selectable in BIOS	1		
	RS-232	1		
	LAN	2x GbE LAN		
	Additional Graphics	1x DVI-D 1x DP 1x HDMI (1.4)		
	Audio	1x 3.5 mm phone jack for line -out		
	Digital I/O	Optional 4-in/4-out GPIO		
	Power Connector	3-pin terminal block		
	Power Button	Rock switch		
Expansion	Internal Expansion Bus	1x M.2 M key 1x miniPCI-E full/half size, mSATA support		
	Expansion Slot	2x PCI-E x8		
	Wireless	optional		
Storage Space	HDD	2x 2.5" HDD space default one 64GB SSD		
	Removable	None		
Power	Power Input Range	12V/24VDC		
Mechanical	Dimensions (mm)	410 x 335 x 126.3	442 x 377 x 132.8	480 x 415 x 127.6
	Net Weight (kgs)	9.3	10	10.4
Construction	Chassis Material	Aluminum and SGCC		
	Color (Front/Back)	Black/Black		
	IP Rating	Front Side IP65		
	Mounting	VESA 75 x75 /100x100		
Environmental	Operating Temperature	0°C~ 40°C (with HDD) 0°C~ 50°C (with SSD)		
	Storage Temperature	-20°C~70°C		
	Storage Humidity	10%~90% @40°C (non-condensing)		
	Certification	CE/FCC Class-B +LVD		
	Supported Operating Systems	Windows 7, Windows 10, 32-bit/64-bit, Linux Kernel 3+		

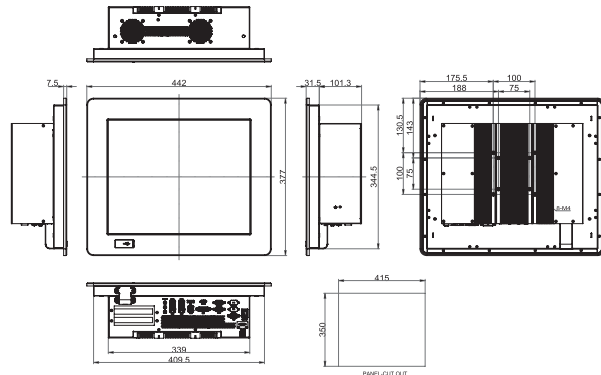
IPPC1505-RE / IPPC1705-RE / IPPC1905-RE

Dimensions

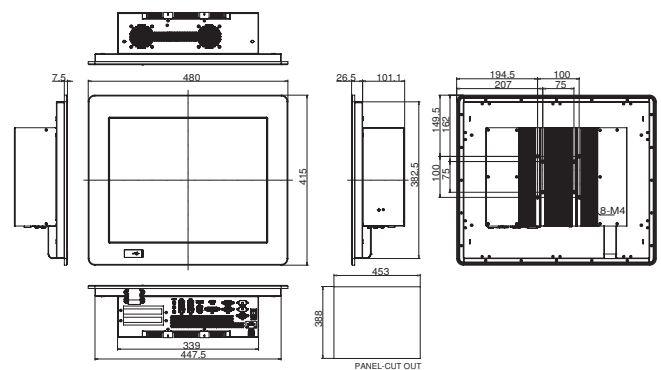
IPPC1505-RE



IPPC1705-RE



IPPC1905-RE



Ordering Information

IPPC1505-RE-I7	15" Industrial Panel PC with MI992VF-6822, 6th Gen Intel® Core™ i7-6822EQ, 4GB DDR4 RAM, 64G SATA SSD, resistive touch, 2x PCI-E x8 slots, with power adaptor
IPPC1505-RE-I5	15" Industrial Panel PC with MI992VF-6442, 6th Gen Intel® Core™ i5-6442EQ, 4GB DDR4 RAM, 64G SATA SSD, resistive touch, 2x PCI-E x8 slots, with power adaptor
IPPC1505-RE-I3	15" Industrial Panel PC with MI992EF-6100, 6th Gen Intel® Core™ i3-6100E, 4GB DDR4 RAM, 64G SATA SSD, resistive touch, 2x PCI-E x8 slots, with power adaptor
IPPC1705-RE-I7	17" Industrial Panel PC with MI992VF-6822, 6th Gen Intel® Core™ i7-6822EQ, 4GB DDR4 RAM, 64G SATA SSD, resistive touch, 2x PCI-E x8 slots, with power adaptor
IPPC1705-RE-I5	17" Industrial Panel PC with MI992VF-6440, 6th Gen Intel® Core™ i5-6440EQ, 4GB DDR4 RAM, 64G SATA SSD, resistive touch, 2x PCI-E x8 slots, with power adaptor
IPPC1705-RE-I3	17" Industrial Panel PC with MI992EF-6100, 6th Gen Intel® Core™ i3-6100E, 4GB DDR4 RAM, 64G SATA SSD, resistive touch, 2x PCI-E x8 slots, with power adaptor
IPPC1905-RE-I7	19" Industrial Panel PC with MI992VF-6822, 6th Gen Intel® Core™ i7-6822EQ, 4GB DDR4 RAM, 64G SATA SSD, resistive touch, 2x PCI-E x8 slots, with power adaptor
IPPC1905-RE-I5	19" Industrial Panel PC with MI992VF-6440, 6th Gen Intel® Core™ i5-6440EQ, 4GB DDR4 RAM, 64G SATA SSD, resistive touch, 2x PCI-E x8 slots, with power adaptor
IPPC1905-RE-I3	19" Industrial Panel PC with MI992EF-6100, 6th Gen Intel® Core™ i3-6100E, 4GB DDR4 RAM, 64G SATA SSD, resistive touch, 2x PCI-E x8 slots, with power adaptor

IPPC Series **10"** **12"** **15"** **17"** **19"**

I/O View



IPPC1003-PC



IPPC1203-RE



IPPC1503-RE

Features

- Cost effective
- Low power consumption
- IP65 front-panel waterproof protection



- PCI-E (x1) and PCI expansion
(Not for IPPC1003-PC)



- Front-side access USB 2.0 port
(IPPC1503-RE / IPPC1703-RE / IPPC1903-RE only)



- Projected capacitive touch screen
(IPPC1003-PC only)



Specifications

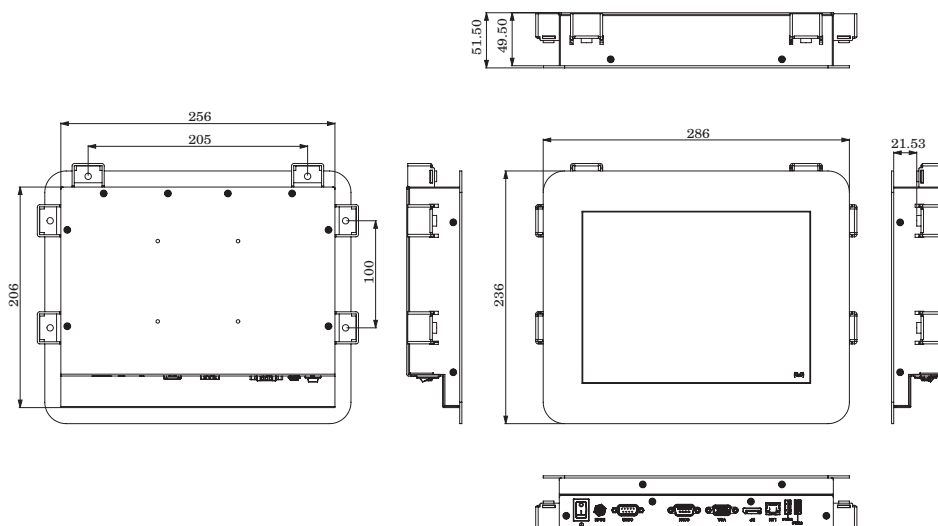
Model No.		IPPC1003-PC	IPPC1203-RE
Display & Touch Screen	Display Size	10.4" TFT-LCD	12.1" TFT-LCD
	Max. Resolution	1024 x 768	
	Luminance (cd/m ²)	350	
	Contrast	700:1	800:1
	Max. Color	16.7M	
	View Angle (H°/V°)	150/150	170/170
	Backlight Lifetime(hrs)	30,000	
	Touch Type	Projected capacitive	Resistive
	Touch Interface	USB	USB
	Light Transmission (%)	85	79
	Point of touch	Up to 2	1
System	Processor	Intel® Atom® Processor E3815 1.46GHz	Intel® Celeron® Processor J1900 2.42GHz
	Memory	1x DDR3L SO-DIMM, up to 4GB, default 2GB	2x DDR3L SO-DIMM, up to 8GB, default 4GB
	Thermal Design	Fanless	
	Membrane Control	None	
	Built-in Speaker/Mic	None	
I/O Interface	USB 3.0	1	
	USB 2.0	1	2 at rear side
	RS-232/422/485 Selectable in BIOS	1	
	RS-232	1	
	LAN	1x GbE	2x GbE
	Additional Graphics	DP and VGA	1x VGA and DVI-D
	Audio	None	MIC in/ Line in/Line out phone jack
	Digital I/O	None	
	Power Connector	Power jack	Terminal block (Jack type option)
	Power Button	Rock switch	
Expansion	Internal Expansion Bus	1x Mini PCI-E(x1) [full/half-size] 2x Mini PCI-E(x1) [half-size]	1x Mini PCI-E half size 1x Mini PCI-E full/half size, mSATA support
	Expansion Slot	None	1x PCI-E (x1) and 1x PCI
	Wireless	Optional	
Storage Space	HDD	1x 2.5" SATA	1x 2.5" SATA HDD, default 2.5" 64G MLC SSD
	Removable	None	
Power	Power Input Range	12V DC	12V/24V DC input
Mechanical	Dimensions (mm)	286 x 236 x 51.5	320 x 270 x 101
	Net Weight (kgs)	2.2	7.5
Construction	Chassis Material	SGCC with aluminum heat-sink, Black	SGCC
	Color (Front/Back)	Black / Black	
	IP Rating	IP65 rated front bezel	Front IP65/Back IP30
	Mounting	Panel mount and VESA 75x75mm	VESA 75x75 / 100x100, panel mounting
Environmental	Operating Temperature	-20°C ~ 50°C	0°C ~ 50°C (with SSD) 0°C ~ 40°C (with HDD)
	Storage Temperature	-30°C ~ 80°C	-20°C ~ 60°C
	Storage Humidity	10%~90% (non-condensing)	10%~90% (non-condensing) at 40°C
	Certification	CE/FCC Class-B and LVD	CE/FCC Class-B and LVD/CB/CCC
	Supported Operating Systems	Windows 8 32/64-bit, Windows 7 Pro for Embedded 64-bit, WES7 64-bit	Windows 7 Professional/WES 7 and 8/Windows 8.1/Windows 10 / Linux Kernel 3.X

Specifications

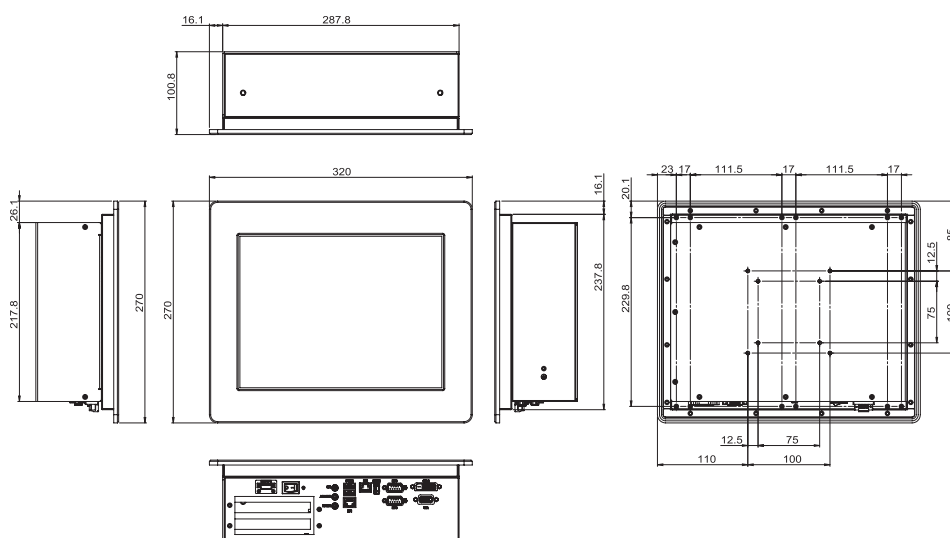
Model No.		IPPC1503-RE	IPPC1703-RE	IPPC1903-RE
Display & Touch Screen	Display Size	15" TFT-LCD	17" TFT-LCD	19" TFT-LCD
	Max. Resolution	1024 x 768	1280 x 1024	1280 x 1024
	Luminance (cd/m ²)	420	250	350
	Contrast	800:1	1000 : 1	1000:1
	Max. Color	16.2M	16.7M	16.7M
	View Angle (H°/V°)	160/160	178/170	170/160
	Backlight Lifetime(hrs)	30,000	50,000	50,000
	Touch Type	Resistive		
	Touch Interface	USB		
	Light Transmission (%)	79	80	80
	Point of touch	1		
System	Processor	Intel® Celeron® Processor J1900 2.42GHz		
	Memory	2x DDR3L SO-DIMM, up to 8GB, default 4GB		
	Thermal Design	Fanless		
	Membrane Control	None		
	Built-in Speaker/Mic	None		
I/O Interface	USB 3.0	1		
	USB 2.0	2x at rear and 1x at front side with cover		
	RS-232/422/485 Selectable in BIOS	1		
	RS-232	1		
	LAN	2x GbE		
	Additional Graphics	1x VGA and DVI-D		
	Audio	MIC in/ Line in/Line out phone jack		
	Digital I/O	None		
	Power Connector	Terminal block (Jack type option)		
Expansion	Power Button	Rock switch		
	Internal Expansion Bus	1x Mini PCI-E half size 1x Mini PCI-E full/half size, mSATA supports		
	Expansion Slot	1x PCI-E (x1) and 1x PCI		
Storage Space	Wireless	Optional		
	HDD	1x 2.5" SATA HDD, default 2.5" 64G MLC SSD		
Power	Removable	None		
	Power Input Range	12V/24V DC input		
Mechanical	Dimensions (mm)	410 x 335 x 105	442 x 377 x 102.5	480 x 415 x 106.5
	Net Weight (kgs)	8.7	9.7	10.97
Construction	Chassis Material	SGCC		
	Color (Front/Back)	Black / Black		
	IP Rating	Front IP65/Back IP30		
	Mounting	VESA 75x75 / 100x100, panel mounting		
Environmental	Operating Temperature	0°C ~ 50°C (with SSD) 0°C ~ 40°C (with HDD)		
	Storage Temperature	-20°C~60°C		
	Storage Humidity	10%~90% (non-condensing) at 40°C		
	Certification	CE / FCC Class-B and LVD		
	Supported Operating Systems	Windows 7 Professional/ WES 7 and 8/ Windows 8.1/ Windows 10 Linux Kernel 3.X		

Dimensions

IPPC1003-PC



IPPC1203-RE

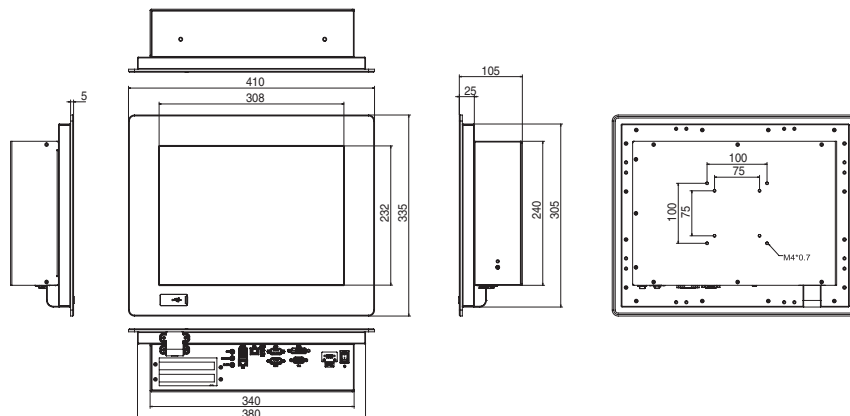


Ordering Information

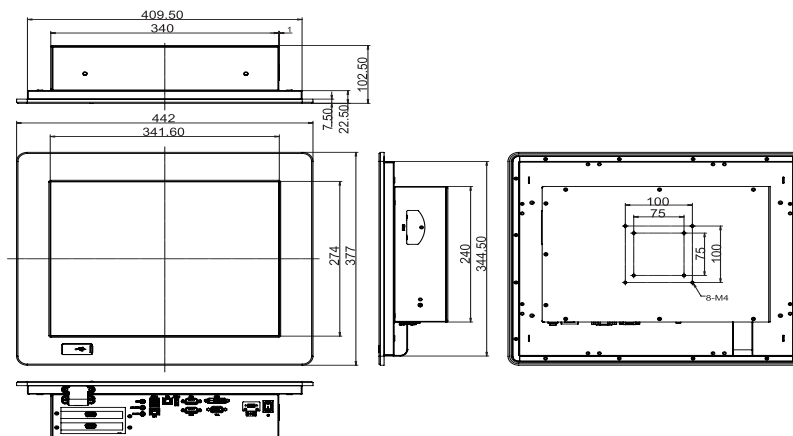
IPPC1003-PC	10.4" Industrial Panel PC with IB898-I15D1, Intel® Atom® Processor E3815 1.46GHz, 2GB DDR3L SO-DIMM, 64G SSD, projected capacitive touch, 60W power adaptor
IPPC1203-RE	12.1" Industrial Panel PC with MI805F-DPPC, Intel® Celeron® Processor J1900 2.42GHz, 4GB RAM, 64GB MLC SSD, PCI-E (x1) and PCI riser card, resistive touch screen, 12V or 24V DC power input, with power adaptor

Dimensions

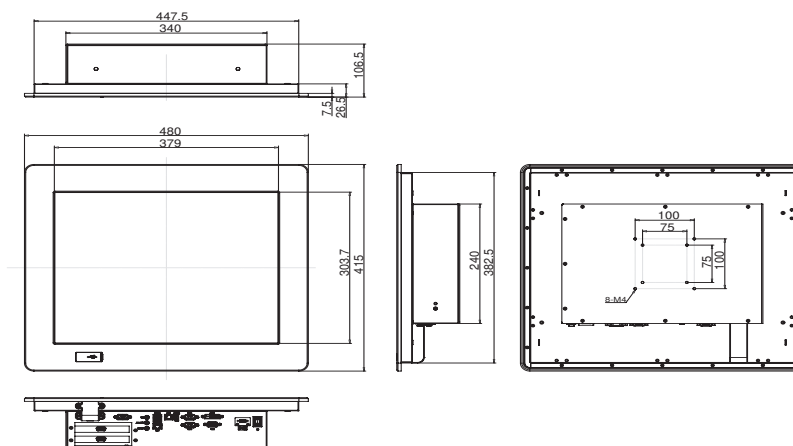
IPPC1503-RE



IPPC1703-RE



IPPC1903-RE



Ordering Information

IPPC1503-RE	15" Industrial Panel PC with MI805F-DPPC, Intel® Celeron® Processor J1900 2.42GHz, 4GB RAM, 64GB MLC SSD, PCI-E (x1) and PCI riser card, resistive touch screen, 12V or 24V DC power input, with power adaptor
IPPC1703-RE	17" Industrial Panel PC with MI805F-DPPC, Intel® Celeron® Processor J1900 2.0GHz, 4GB DDR3L SO-DIMM, 64G SSD, resistive touch screen, 12V or 24V power input, with power adaptor
IPPC1903-RE	19.1" Industrial Panel PC with MI805F-DPPC, Intel® Celeron® Processor J1900 2.42GHz, 4GB RAM, 64GB MLC SSD, PCI-E (x1) and PCI riser card, resistive touch screen, 12V or 24V DC power input, with power adaptor

IPPC1503-REN/IPPC1903-REN

Heavy-duty Industrial Panel PC

Low-power All-in-One Panel PC with Intel® Celeron J1900

IPPC Series 15" 19"



I/O View



IPPC1503-REN



IPPC1903-REN

Features

- Cost effective
- Low power consumption
- IP65 front-panel waterproof protection



- Fanless design



- Front-side access USB 2.0 port



- Rich and flexible I/O interface



IPPC1503-REN/IPPC1903-REN

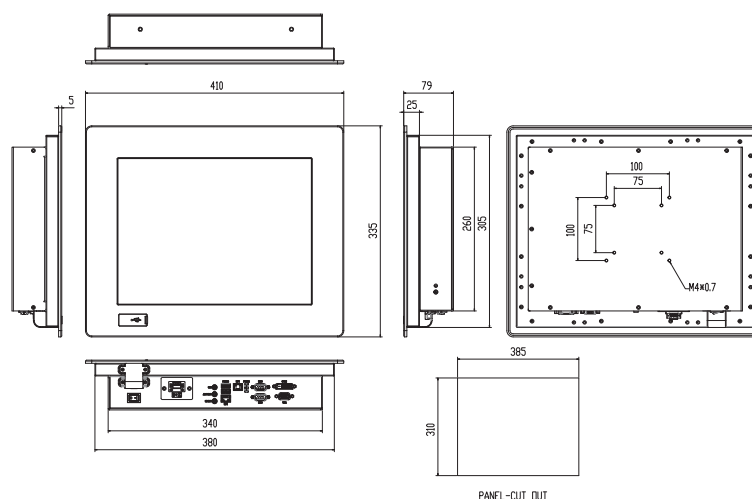
Specifications

Model No.		IPPC1503-REN	IPPC1903-REN
Display & Touch Screen	Display Size	15" TFT-LCD	19" TFT-LCD
	Max. Resolution	1024 x 768	1280 x 1024
	Luminance (cd/m2)	420	350
	Contrast	800:1	1000:1
	Max. Color	16.2M	16.7M
	View Angle (H/V)	160/160	170/160
	Backlight Lifetime(hrs)	30,000	50,000
	Touch Type	Resistive	
	Touch Interface	USB	
	Light Transmission (%)	79	80
	Point of touch	1	
System	Processor	Intel® Celeron Processor J1900 2.42GHz	
	Memory	2x DDR3L SO-DIMM, up to 8GB, default 4GB	
	Thermal Design	Fanless	
	Membrane Control	None	
	Built-in Speaker/Mic	None	
I/O Interface	USB 3.0	1	
	USB 2.0	2x at rear and 1x at front side with cover	
	RS-232/422/485 Selectable in BIOS	1	
	RS-232	1	
	LAN	2x GbE	
	Additional Graphics	1x VGA and DVI-D	
	Audio	MIC in/ Line in/Line out phone jack	
	Digital I/O	None	
	Power Connector	Terminal block (Jack type as option)	
	Power Button	Rock switch	
Expansion	Internal Expansion Bus	1x Mini PCI-E half size 1x Mini PCI-E full/half size, mSATA support	
	Expansion Slot	None	
	Wireless	Optional	
Storage Space	HDD	1x 2.5" SATA HDD, default 2.5" 64G MLC SSD	
	Removable	None	
Power	Power Input Range	12V/24V DC Input	
Mechanical	Dimensions (mm)	410 x 335 x 79	480 x 415 x 80.5
	Net Weight (kgs)	7	10
Construction	Chassis Material	SGCC	
	Color (Front/Back)	Black/Black	
	IP Rating	Front IP65/Back IP30	
	Mounting	VESA 75x75/100x100, panel mounting	
Environmental	Operating Temperature	0°C ~ 50°C (with SSD) 0°C ~ 40°C (with HDD)	
	Storage Temperature	-20°C~60°C	
	Storage Humidity	10%~90% (non-condensing) at 40°C	
	Certification	CE / FCC Class-B and LVD	
	Supported Operating Systems	Windows 7 Professional/ WES 7 and 8/ Windows 8.1/ Windows 10 Linux Kernel 3.X	

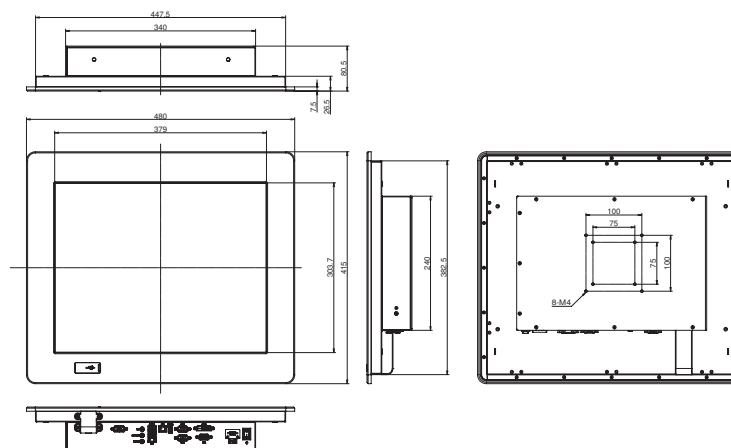
IPPC1503-REN/IPPC1903-REN

Dimensions

IPPC1503-REN



IPPC1903-REN



Ordering Information

IPPC1503-REN	15" Industrial Panel PC with MI805F-DPPC, Intel® Celeron® Processor J1900 2.42 GHz, 4GB RAM, 64GB MLC SSD, resistive touch screen, 12V or 24V DC power input, w/o power adaptor
IPPC1903-REN	19.1" Industrial Panel PC with MI805F-DPPC, Intel® Celeron® Processor J1900 2.42 GHz, 4GB RAM, 64GB MLC SSD, resistive touch screen, 12V or 24V DC power input, w/o power adaptor

ASTUT-W155-PC1S

Heavy-duty Industrial Panel PC

All-in-One Panel PC with 7th/6th Gen Intel® Core™ i5 Processor and Riser Card Expansion

ASTUT Series **15.6"**

I/O View



ASTUT-W155-PC1S



TAIWAN
EXCELLENCE
2016

Features

- Optional digitizer touch pen support
- Optional wireless communication
- Full flat bezel design



- I/O cover for cable arrangement
- Aluminum housing, perfect thermal design



- With riser card expansion slot
- PCI-E (x4) for ASTUT-W155-PC1S



- 12V~24V DC wide-range power input

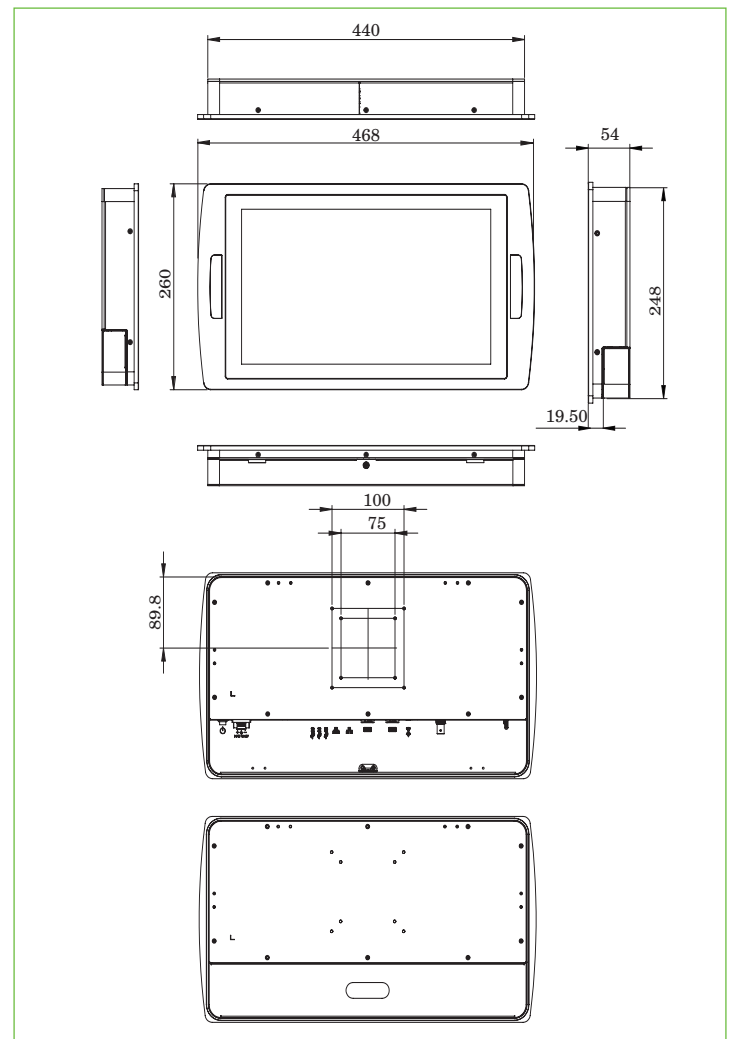


ASTUT-W155-PC1S

Specifications

Display & Touch Screen	Display Size	15.6" TFT-LCD
	Max. Resolution	1366 x 768
	Luminance (cd/m ²)	300
	Contrast	500:1
	Max. Color	16.7M
	View Angle (H°/V°)	160/160
	Backlight Lifetime(hrs)	50,000
	Touch Type	Projected capacitive
	Touch Interface	USB
	Light Transmission (%)	85
	Point of touch	2
Expansion	Internal Expansion Bus	1x Mini PCI-E Half/Full size 1x M.2 22x30
	Expansion Slot	1x PCI-E(x4)
	Wireless	optional Wi-Fi/BT/LTE/3G/RFID
I/O Interface	USB 3.0	4
	USB 2.0	0
	RS-232/422/485 Selectable in BIOS	1
	RS-232	RS-485 only
	LAN	2x GbE
	Additional Graphics	1x HDMI
	Audio	None
	Digital I/O	None
	Power Connector	3-pin terminal block
System	Processor	Intel® Core™ i5-6300U 2.4GHz Intel® Core™ i5-7300U 2.4GHz
	Memory	2x DDR4 2133 SO-DIMM, up to 16GB, default 4GB
	Thermal Design	Fanless
	Membrane Control	None
	Built-in Speaker/Mic	None
Storage Space	HDD	1x 2.5" M.2 22x80 default 64GB optional 2.5" HDD
	Removable	None
Power	Power Input Range	12V~24V DC
Mechanical	Dimensions (mm)	468 x 260 x 54
	Net Weight (kgs)	7
Construction	Chassis Material	Aluminum silver
	Color (Front/Back)	Silver / Silver
	IP Rating	IP65 front bezel
	Mounting	Panel mount and VESA 75x75, 100x100 mm
Environmental	Operating Temperature	0°C ~ 50°C
	Storage Temperature	-20°C ~ 60°C
	Storage Humidity	10%~90% (non-condensing)
	Certification	CE/FCC Class-B and LVD
	Supported Operating Systems	Windows 10, Windows 8.1 64-bit Windows 7 (Intel® Core™ i5-6300U 2.4GHz SKU only)

Dimensions



Ordering Information

ASTUT-W155-PC1S-K73	15.6" Industrial Panel PC with IBP-900K-7300, 7th Gen Intel® Core™ i5 7300U processor, 64GB M.2 SSD, PCI-E(x4) riser card, projective touch screen, 12V~24V DC power input, w/o power adaptor
ASTUT-W155-PC1S-S63	15.6" Industrial Panel PC with IBP-900S-6300, 6th Gen Intel® Core™ i5 6300U processor, 64GB M.2 SSD, PCI-E(x4) riser card, projective touch screen, 12V~24V DC power input, w/o power adaptor
ASTUT-W155-PC1S-K76	15.6" Industrial Panel PC with IBP-900K-7600, 7th Gen Intel® Core™ i5 7600U processor, 64GB M.2 SSD, PCI-E(x4) riser card, projective touch screen, 12V~24V DC power input, w/o power adaptor
ASTUT-W155-PC1S-S66	15.6" Industrial Panel PC with IBP-900S-6600, 6th Gen Intel® Core™ i5 6600U processor, 64GB M.2 SSD, PCI-E(x4) riser card, projective touch screen, 12V~24V DC power input, w/o power adaptor
Power adaptor (optional)	AC 90V~240V input, 12V DC output 84W power adaptor, IBASE P/N: A005PS084W0050000P

Outdoor Series 21.5"



I/O View



Features

- Vandal-proof IK06 glass protection



- Sunlight readable
- Wireless support



- IP65 front-panel waterproof protection and IP33-rated chassis



- Automatic panel brightness, air flow speed and system temperature balance system



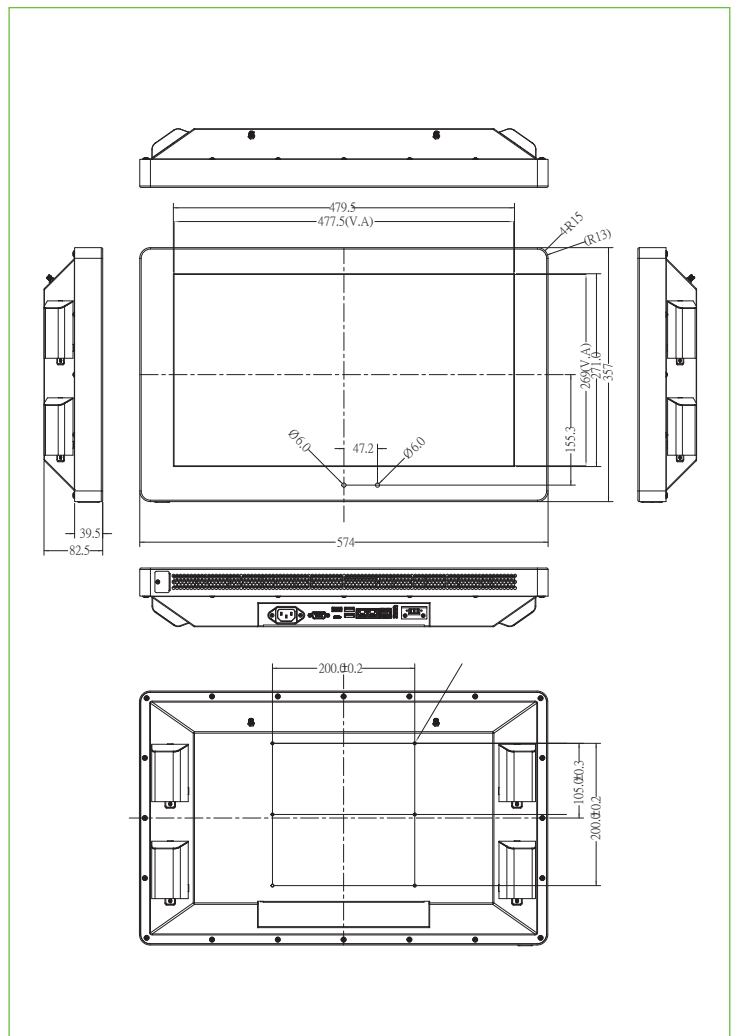
IDOOH-215-IR

Specifications

Display & Touch Screen	Display Size	21.5" TFT-LCD
	Max. Resolution	1920 x 1080
	Luminance (cd/m ²)	Up to 1200nits, default @75%
	Contrast	1000:1
	Max. Color	16.7M
	View Angle (H°/V°)	140/120
	Backlight Lifetime(hrs)	50000
	Touch Type	IR touch
	Touch Interface	USB
	Light Transmission (%)	88
	Point of touch	Multi-Touch
System	Processor	Intel® Atom® x6413E Processor 1.5M Cache, up to 3.00 GHz
	Memory	2x DDR4-3200 SO-DIMM, Max. 32GB
	Thermal Design	Fan
	Membrane Control	None
	Built-in Speaker/Mic	None
I/O Interface	USB 3.0	3x USB 3.1 (Type-A) 1x USB (Type-C)
	USB 2.0	N/A
	RS-232/422/485 Selectable in BIOS	1
	RS-232	0
	LAN	3x 2.5G GbE
	Additional Graphics	DP + Type-C (Alternate Mode)
	Audio	None
	Digital I/O	None
	Power Connector	AC inlet
Expansion	Power Button	None
	Internal Expansion Bus	1x M.2 (E-key, type:2230) 1x Mini PCI-E / mSATA
	Expansion Slot	None
Storage Space	Wireless	Optional Wi-Fi/BT
	HDD	1x 2.5" SATA
Power	Removable	None
	Power Input Range	90V ~ 240V AC
Mechanical	Dimensions (mm)	574 x 357 x 82.5
	Net Weight (kgs)	7.5
Construction	Chassis Material	Aluminum front bezel, black Black SGCC + Aluminum chassis
	Color (Front/Back)	Black/Black
	IP Rating	IP65 front-panel waterproof protection
	Mounting	open-frame rack mounting VESA 200x200 and 200x100 mm

Environmental	Operating Temperature	-40°C~50°C (disable smart heater 0°C~50°C) Passed sunlight energy test: 44°C with 1120 W/m ² Built-in smart heater: When IDOOH-215-IR is turned on, it will heat to above 5°C, then booting and stop heating. If the IDOOH-215-IR operating is too cold it will automatically heat up again
	Storage Temperature	-20°C~60°C
	Storage Humidity	5%~90% @ 50°C, (non-condensing)
	Certification	CE/FCC Class-B
	Supported Operating Systems	Windows 10 / Linux Ubuntu

Dimensions



Ordering Information

IDOOH-215-IR	21.5" Outdoor Panel PC with IB836, Intel® Atom® Processor x6413E 3.0GHz, 16GB DDR4 SO-DIMM, 256G SSD, IR touch
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ID00H-215-PC

Outdoor Panel PC

21.5" Outdoor Sunlight Readable Panel PC
with AMD Ryzen™ Embedded V1605B Processor

Outdoor Series 21.5"



I/O View

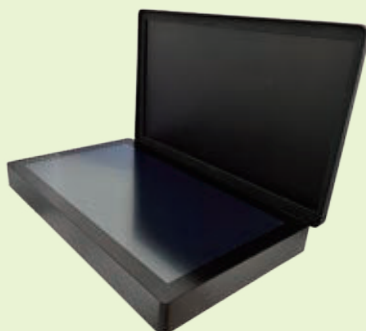


Features

- 21.5" true-flat FHD LCD panel with projected capacitive touchscreen
- Sunlight readable



- Protection front side lid design (Panel Cover)
- Fully IP65 waterproof protection
- Vandal-proof IK09 with lid



- M12 Waterproof connector



M12 17P connector,
integrated with LAN port
and DC-in

1x USB 2.0 Type A
water-proof screw
base and cap

1 x HDMI with water-proof
screw base and cap

- Automatic air flow speed and system temperature balance system



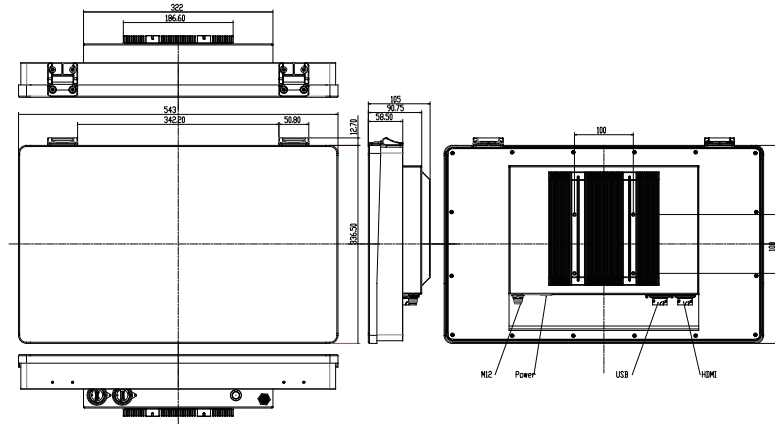
ID00H-215-PC

Display & Touch Screen	Display Size	21.5" TFT-LCD
	Max. Resolution	1920 x 1080
	Luminance (cd/m ²)	Up to 1300nits, before touch screen
	Contrast	3000:1
	Max. Color	16.7M
	View Angle (H°/V°)	178/178
	Backlight Lifetime(hrs)	50,000hrs
	Touch Type	Projected Capacitive Touch
	Touch Interface	USB
	Light Transmission (%)	> 70%
	Point of touch	10
System	Processor	AMD Ryzen™ Embedded V1605B (Quad-Core @ 3.6GHz)
	Memory	2x DDR4 SO-DIMM, up to 32GB, default DDR4 8GB (4GBx2)
	Thermal Design	Fan
	Membrane Control	None
	Built-in Speaker/Mic	None
I/O Interface	USB 3.0	None
	USB 2.0	1x USB 2.0 Type A water-proof screw base and cap
	RS-232/422/485 Selectable in BIOS	None
	RS-232	None
	LAN	1x M12 17P connector, integrated with LAN port
	Additional Graphics	1x HDMI with water-proof screw base and cap
	Audio	None
	Digital I/O	None
	Power Connector	AC inlet
	Power Button	IP67 push button
Expansion	Internal Expansion Bus	1x M.2 (M-key, type:2280, NVMe)
	Expansion Slot	1x M.2 (E-key, type:2230)
	Wireless	None
Storage Space	HDD	1x 2.5" SATA
	Removable	None
Power	Power Input Range	90V ~ 240V AC
Mechanical	Dimensions (mm)	543 x 349.2 x 105 (w/ Lid) 535 x 329 x 98.5 (w/o Lid)
	Net Weight (kgs)	8.1(w/ Lid)
Construction	Chassis Material	Aluminum chassis
	Color (Front/Back)	Black/Black
	IP Rating	IP65 waterproof protection
	Mounting	VESA 100x100mm
Environmental	Operating Temperature	-5°C~45°C
	Storage Temperature	-20°C~80°C
	Storage Humidity	10%~90% @40°C (non-condensing)
	Certification	CE/FCC Class-B
	Supported Operating Systems	Windows 10 IoT core/ Linux 4.X+ kernel

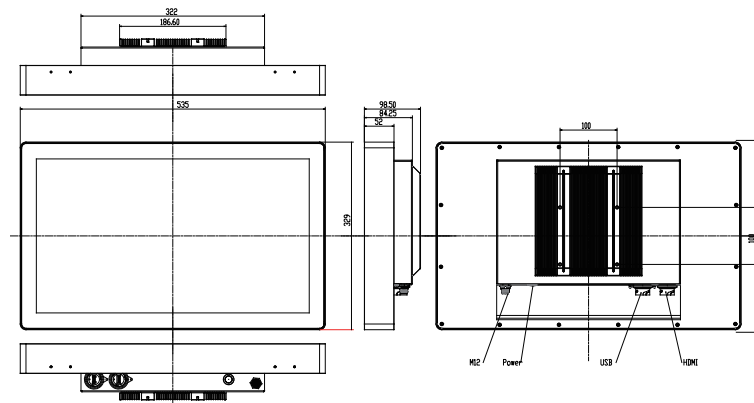
IDOOH-215-PC

Dimensions

IDOOH-215-PC with Panel Cover



IDOOH-215-PC_without Panel Cover



Ordering Information

IDOOH-215-PC

21.5" 1,300 nits 21.5" Panel PC, AC Adaptor 19V 120W, 220CM M12 Cable for DC-in and RJ45
AMD Ryzen™ Embedded V1605B Processor 2.0Ghz, projected touch, DDR4 8GB, 64GB 3DTLC SATA3 SSD

INOSP-152-RE / INOSP-192-RE

Stainless Steel Panel PC

Fanless Stainless Steel Panel PC

with Intel® Atom® Processor E3845

INOSP Series 15" 19"



I/O View



INOSP-152-RE-F/INOSP-192-RE-F
(Full Function)

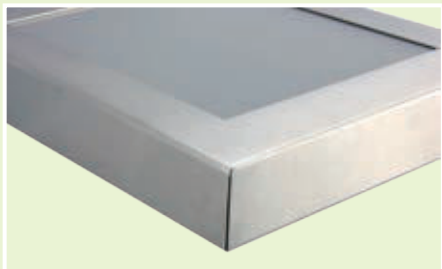


INOSP-152-RE/ INOSP-192-RE (Standard)

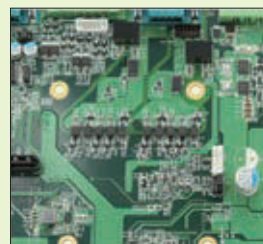
Features

Special model-By request, MOQ 20pcs

- Fanless design
- Resistive/ Projected capacitive (19" model) touch
- Durable stainless steel housing
- Low power consumption processor



- Wide-range 10V~30V DC power input
- USB 3.0 (optional)



- M12 I/O ports



INOSP-152-RE / INOSP-192-RE

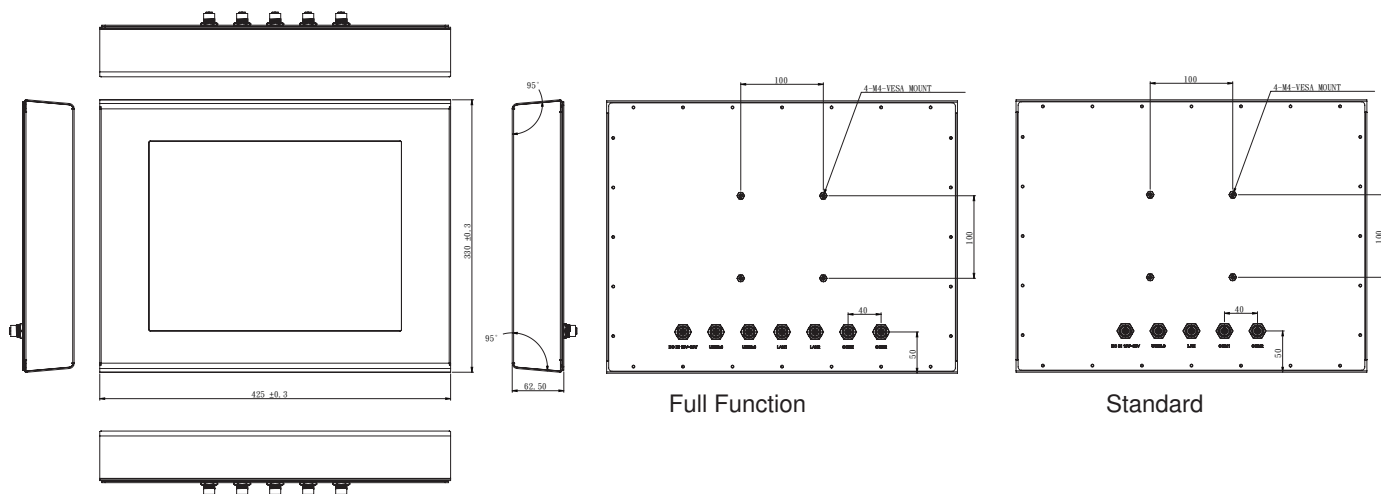
Specifications

Model No.		INOSP-152-RE(-F)	INOSP-192-RE(-F)
Display & Touch Screen	Display Size	15" TFT-LCD	19" TFT-LCD
	Max. Resolution	1024 x 768	1280 x 1024
	Luminance (cd/m ²)	500	350
	Contrast	800 : 1	1000 : 1
	Max. Color	16.2M	16.7M
	View Angle (H°/V°)	160/160	170/160
	Backlight Lifetime(hrs)	50,000	
	Touch Type	Resistive	
	Touch Interface	USB	
	Light Transmission (%)	80	
	Point of touch	1	
System	Processor	Intel® Atom® Processor E3845 1.91GHz	
	Memory	2x DDR3L SO-DIMM, up to 8GB, default 4GB	
	Thermal Design	Fanless	
	Membrane Control	None	
	Built-in Speaker/Mic	None	
I/O Interface	USB 3.0	optional (M12)	
	USB 2.0	1 (M12)	
	RS-232/422/485 Selectable in BIOS	1 (M12)	
	RS-232	1 (M12)	
	LAN	1x GbE (M12) Second LAN (option)	
	Additional Graphics	None	
	Audio	None	
	Digital I/O	None	
	Power Connector	M12 connector	
	Power Button	None	
Expansion	Internal Expansion Bus	1x Mini PCI-E(x1) [full/half-size] 1x Mini PCI-E(x1) [half-size]	
	Expansion Slot	None	
	Wireless	None	
Storage Space	HDD	1x 2.5" SATA	
	Removable	None	
Power	Power Input Range	10V~30V DC	
Mechanical	Dimensions (mm)	425 x 330 x 62.5	470 x 390 x 62.5
	Net Weight (kgs)	13.5	17
Construction	Chassis Material	304 stainless steel / 316 stainless steel (option)	
	Color (Front/Back)	Silver / Silver	
	IP Rating	IP65 / IP69K	
	Mounting	VESA 75x75mm and 100x100mm	
Environmental	Operating Temperature	0°C ~ 50°C	
	Storage Temperature	-20°C ~ 60°C	
	Storage Humidity	10%~90% (non-condensing)	
	Certification	CE/FCC Class-B and LVD	
	Supported Operating Systems	Windows 10/ Windows 8 32-bit/64-bit, Windows 7 Pro for Embedded 64-bit, WES7 64-bit	

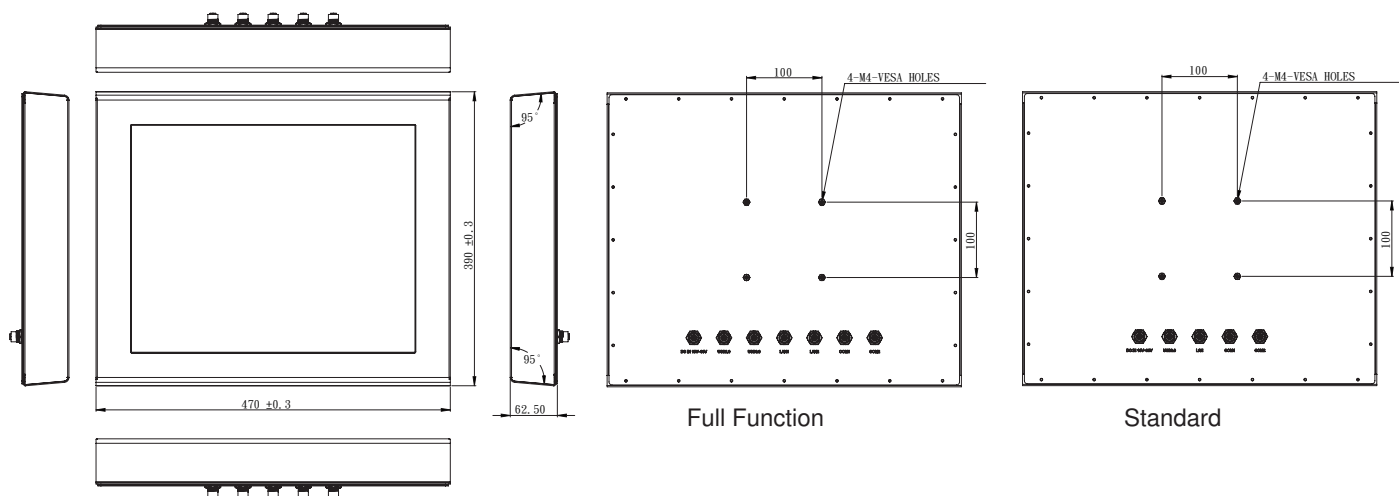
INOSP-152-RE / INOSP-192-RE

Dimensions

INOSP-152-RE



INOSP-192-RE



Ordering Information

INOSP-152-RE	15" Stainless Steel Panel PC with IB897-I45P, Intel® Atom® Processor E3845 1.91GHz, 4GB DDR3L SO-DIMM, 64G SSD, resistive touch
INOSP-192-RE	19" Stainless Steel Panel PC with IB897-I45P, Intel® Atom® Processor E3845 1.91GHz, 4GB DDR3L SO-DIMM, 64G SSD, resistive touch



Edge I/O

- M23 connector AC input
- 4-pin M12 connector DC output (4-pin definition: +/-/G/earth ground)

Power

Power Supply	90V ~ 240V AC input 24V DC output @ 3.75mA
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Construction

Chassis	304 stainless steel / 316 stainless steel for optional
Mounting	Wall mount
Protection Class	Full IP56 protection

Environmental

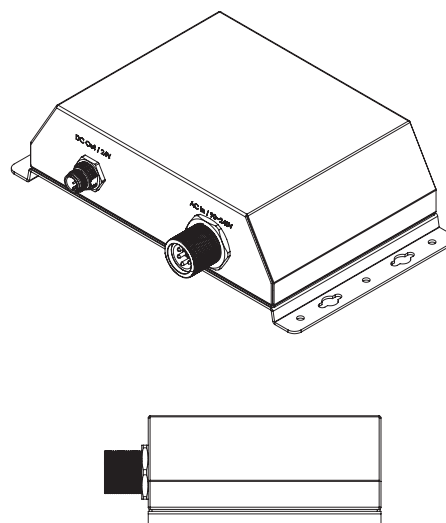
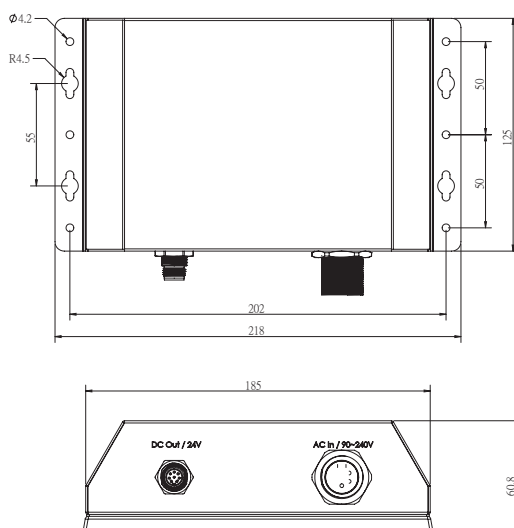
Temperature	Operating: 0°C ~ 50°C (Max. 80W at 50°C) Storage: -40°C ~ 85°C
Humidity	10% ~ 90% (non-condensing)
Regulation	RoHS
Certification	CE/FCC Class-A

Accessories

- Wall mount kits
- 1x power cable M23/3P L=5m
- 1x power cable M12 4P L=2m
- Power connector for U.S. regulation (optional)
- Power connector for EU regulation (optional)
- Power connector for Australian regulatory (optional)

Dimensions

SSPA-24



Open-Frame Panel PC for Self-Service Kiosk



Flexible Modular Design

The IBASE OFP series fanless panel PCs are built with easy-to-mount, open-frame modular design with colored frame options. The computing platform, storage device, display panel and touchscreen can be easily changed and tailored to your needs.



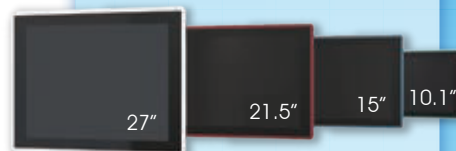
We Do the Computing Platform — You Create the ID Design

The OFP series provides a flexible solution for seamless integration into kiosks, customized housings and wall mount environments. The systems support various bracket installations and assembly methods. Just concentrate on your ID design and leave the computing platform design to IBASE.



We Make the Size You Want

The IBASE OFP series supports 15-inch and 21-inch and 27-inch touchscreen displays with resolutions of 1024 x 768 and 1920 x 1080 respectively. Only a small minimum order is required for other panel sizes from 10.1" to 27".



Open-Frame Panel PC 27"



Features

- 27" wide-screen open-frame panel pc with excellent performance
- 1920 x 1080 resolution and 250-nit & 1000-nit brightness
- Projected capacitive touch
- Supports both portrait and landscape display modes
- Supports IR cut-off solution



OFP-W2700-PCI86



OFP-W2700-PCI50



OFP-W2700-PCV16

Specifications

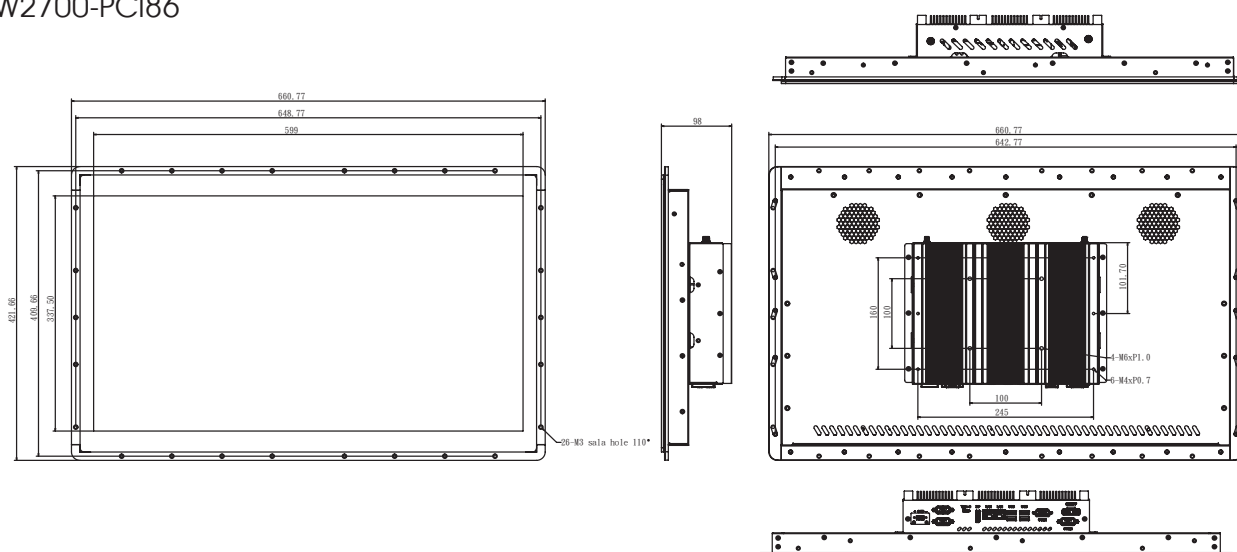
Model No.		OFP-W2700-PCI86	OFP-W2700-PCI50	OFP-W2700-PCV16
Display & Touch Screen	Display Size	27" TFT-LCD		
	Max. Resolution	1920 x 1080		
	Luminance (cd/m2)	Default: 250 Option: 1000		
	Contrast	1:1000		
	Max. Color	16.7M		
	View Angle (H/V)	178/178		
	Backlight Lifetime(hrs)	30,000		
	Touch Type	Projected capacitive touch IR cut solution (optional)		
	Touch Interface	USB		
	Light Transmission (%)	85		
	Point of touch	10		
System	Processor	8th Gen Intel® Core™ i7-8665UE Processor	Intel® Atom® x7-E3950 Processor	AMD Ryzen™ V1605B
	Memory	2x DDR4 SO-DIMM Up to 32GB, 1x 4GB (default)	1x DDR3L SO-DIMM Up to 8GB, 1x 4GB (default)	2x DDR4 SO-DIMM Up to 32GB, 1x 4GB (default)
	Thermal Design	3x fan for IR cut off solution (Reserved)		
	Membrane Control	None		
	Built-in Speaker/Mic	None		

OFP-W2700-PCI86 / OFP-W2700-PCI50 / OFP-W2700-PCV16

I/O Interface	USB 3.0	4 (USB 3.1) 1x USB Type-C	4	4 (USB 3.1)
	USB 2.0	0		
	RS-232/422/485 Selectable in BIOS	1		
	RS-232	1		
	LAN	2		
	Additional Graphics	1x DisplayPort	1x HDMI	2x HDMI
	Audio	0		
	Digital I/O	0		
	Power Connector	1x 3-pin terminal block AC inlet for high brightness SKU		
	Power Button	1x 2-pin terminal block to power on/off pin		
Expansion	Internal Expansion Bus	1x M2280 M.2 socket 1x E2230 M.2 socket	2x Mini PCI-E (1x full-size, 1x half-size)	1x M2280 M.2 socket 1x E2230 M.2 socket
	Expansion Slot	None		
	Wireless	optional		
Storage Space	HDD	1x 2.5" SATA III SSD space, 64G SSD (default) 1x M.2 (M-key)	1x 2.5" SATA III SSD space, 64G SSD (default) 1x mSATA (via full-size Mini PCI-E)	1x 2.5" SATA III SSD space, 64G SSD (default) 1x M.2 (M-key)
	Removable	None		
Power	Power Input Range	9V~24V DC (general SKU) 100V~240V AC (high brightness SKU)	12V~24V DC (general SKU) 100V~240V AC (high brightness SKU)	12V~24V DC (general SKU) 100V~240V AC (high brightness SKU)
Mechanical	Dimensions (mm)	660.77 x 421.66 x 98		
	Net Weight (kgs)	14.6		
Construction	Chassis Material	SGCC		
	Color (Front/Back)	Raw SGCC		
	IP Rating	Front side IP65		
	Mounting	open-frame design		
Environmental	Operating Temperature	-10°C~50°C		
	Storage Temperature	-20°C~70°C		
	Storage Humidity	10%~90% @40°C (non-condensing)		
	Certification	N/A		
	Supported Operating Systems	Windows 10, 64-bit, Linux Kernel 4+		

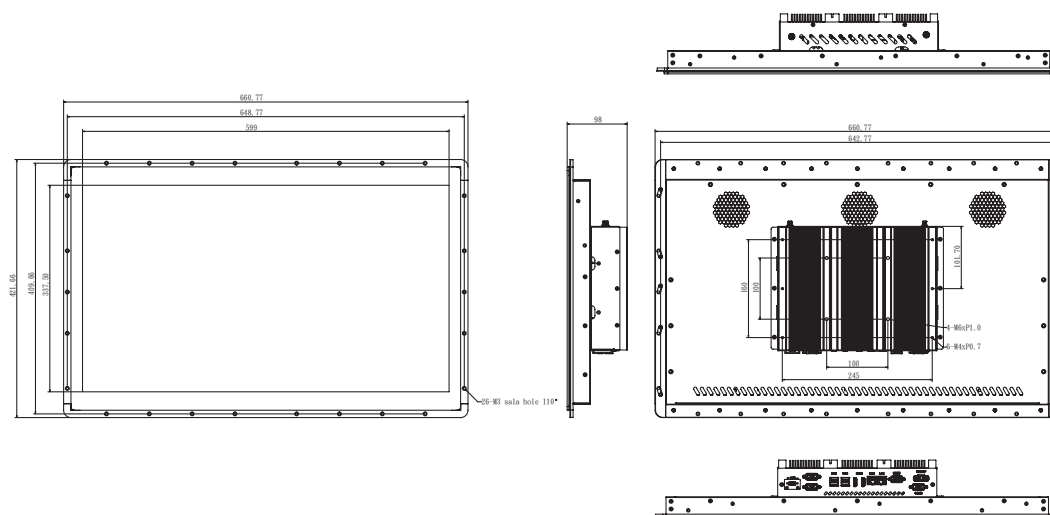
Dimensions

OFP-W2700-PCI86

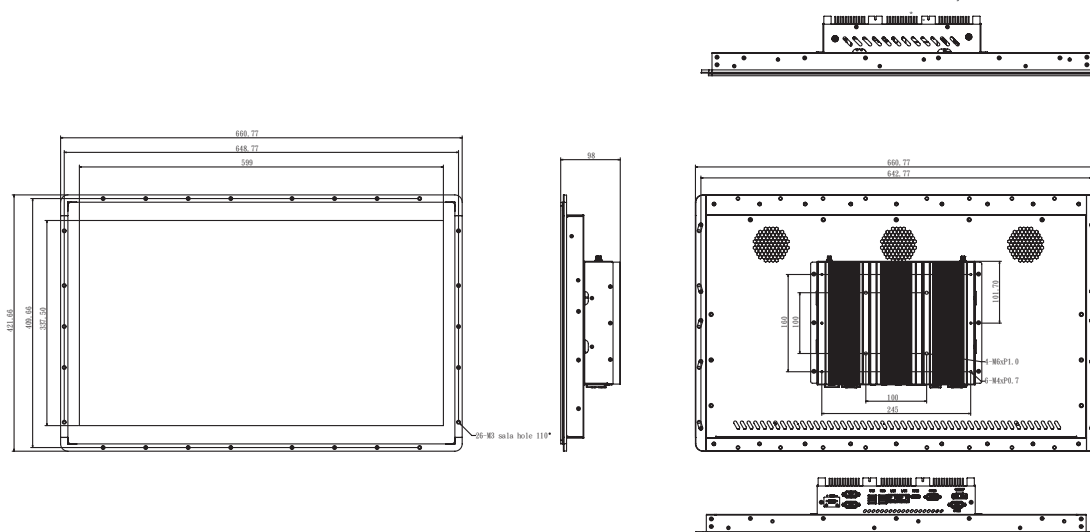


Dimensions

OFP-W2700-PCV16



OFP-W2700-PCI50



Ordering Information

OFP-W2700-PCI86H	27" Full HD open-frame Panel PC with IB919AF-8665, 8th Gen Intel® Core™ i7-8665UE processor, 4GB DDR4 memory, 64GB SSD, 1000nits high brightness, projected capacitive touch screen, 100V~240V AC Power input
OFP-W2700-PCI50H	27" Full HD open-frame Panel PC with IB818F-I50, Intel® Atom® x7-E3950 processor, 4GB DDR3L memory, 64GB SSD, 1000nits high brightness, projected capacitive touch screen, 100V~240V AC Power input
OFP-W2700-PCV16I	27" Full HD open-frame Panel PC, AMD V1605B processor, 4GB DDR4 memory, 64GB SSD, 1000nits high brightness, projected capacitive touch screen with IR cut solution, 100V~240V AC Power input
OFP-W2700-PCV16	27" Full HD open-frame Panel PC with IB918F-1605, AMD V1605B processor, 4GB DDR4 memory, 64GB SSD, 250nits brightness, projected capacitive touch screen, 12V~24V DC Power input

Open-Frame Panel PC 15" 21"

I/O View



OFP Series VIDEO



OFP-151-PC



OFP-2100-PC



OFP-2101-PC

Features

- Flat bezel open-frame design with optional colored frame
- IP65 front panel protection



- 9V~36V DC wide-range power input



- Modular design, upgradeable



- Easy to integrate with customized housing



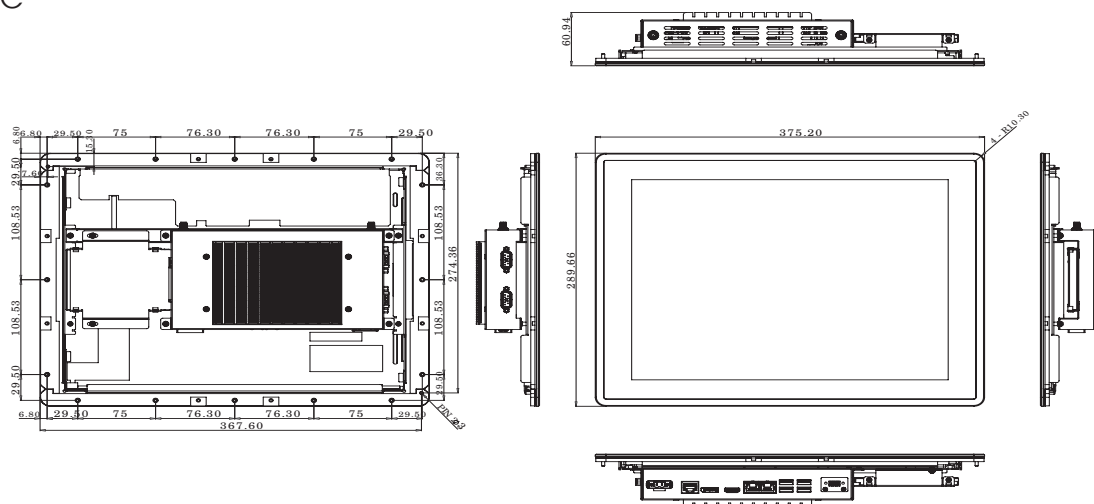
OFP-151-PC / OFP-2100-PC / OFP-2101-PC

Model No.		OFP-151-PC	OFP-2100-PC	OFP-2101-PC
Display & Touch Screen	Display Size	15 TFT-LCD	21.5 TFT-LCD	21.5 TFT-LCD
	Max. Resolution	1024 x 768	1920 x 1080	1920 x 1080
	Luminance (cd/m2)	420	250	250
	Contrast	1:600	1:1000	1:1000
	Max. Color	16.2M	16.7M	16.7M
	View Angle (H/V)	160/160	178/178	178/178
	Backlight Lifetime(hrs)	30000	30000	30000
	Touch Type	Projected capacitive		
	Touch Interface	USB		
	Light Transmission (%)	89		
	Point of touch	10		
System	Processor	Intel® Pentium® QC N4200	Intel® Pentium® QC N4200	Intel® Core i7 7600U Intel® Core i5 7300U Intel® Core i3 7100U
	Memory	Max. 8GB DDR4, default 4GB	Max. 8GB DDR4, default 4GB	Max. 32GB DDR4, default 4GB
	Thermal Design	Fanless		
	Membrane Control	None		
	Built-in Speaker/Mic	None		
I/O Interface	USB 3.0	4		
	USB 2.0	0		
	RS-232/422/485 Selectable in BIOS	1 (RJ50 type)	1 (RJ45 type)	1 (DSUB9)
	RS-232	optional		
	LAN	2x GbE		
	Additional Graphics	1x HDMI 1x DP		
	Audio	None		
	Digital I/O	optional		
	Power Connector	1x 3-pin terminal block		
	Power Button	1x 2-pin terminal block for remote		
Expansion	Internal Expansion Bus	1x mini PCI-E for half-size mSATA 1x M.2 B-key	1x mini PCI-E for half size mSATA 1x M.2 B-key	1x mini PCI-E for full-size mSATA
	Expansion Slot	None		
	Wireless	optional		
Storage Space	HDD	1x 2.5" HDD space, default 64GB SSD		
	Removable	None		
Power	Power Input Range	9V~36V DC	9V~36V DC	9V~24V DC
Mechanical	Dimensions (mm)	375.2 x 289.6 x 60.9	543 x 334 x 88.2	543 x 334 x 88.2
	Net Weight (kgs)	5	7.6	7.7
Construction	Chassis Material	SGCC		
	Color (Front/Back)	Raw SGCC		
	IP Rating	Front side with IP65		
	Mounting	open-frame design		
Environmental	Operating Temperature	-10°C~50°C	0°C~50°C	0°C~50°C
	Storage Temperature	-20°C~70°C		
	Storage Humidity	10%~90% @40°C (non-condensing)		
	Certification	Based on chassis design		
	Supported Operating Systems	Windows 10, 64-bit, Linux Kernel 4+		

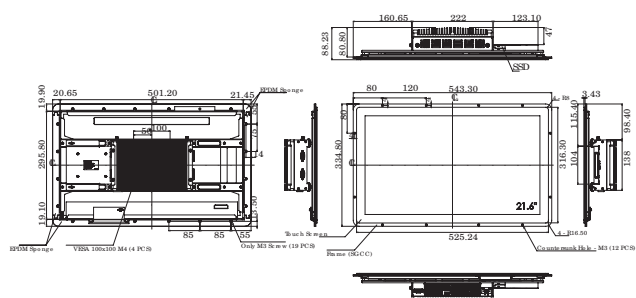
OFP-151-PC / OFP-2100-PC / OFP-2101-PC

Dimensions

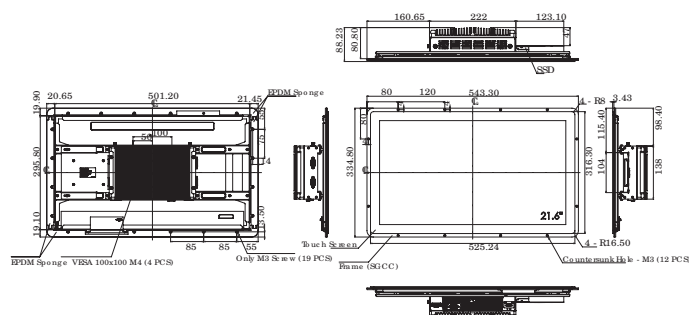
OFP-151-PC



OFP-2100-PC



OFP-2101-PC



Ordering Information

OFP-151-PC-N42	15" open-frame panel PC, projected capacitive touch screen with IB811F-420, Intel® Pentium® QC N4200 processor, 4GB DDR4 memory, 64GB SSD, without power adaptor
OFP-2100-PC-N42	21.5" Full HD open-frame panel PC, projected capacitive touch screen with IB811F-420, Intel® Pentium® QC N4200 processor, 4GB DDR4 memory, 64GB SSD, without power adaptor
OFP-2101-PC-I76	21.5" Full HD open-frame panel PC, projected capacitive touch screen with IB917AF-7600, 7th Gen Intel® Core™ i7 7600U processor, 4GB DDR4 memory, 64GB SSD, without power adaptor
OFP-2101-PC-I73	21.5" Full HD open-frame panel PC, projected capacitive touch screen with IB917AF-7300, 7th Gen Intel® Core™ i5 7300U processor, 4GB DDR4 memory, 64GB SSD, without power adaptor
OFP-2101-PC-I71	21.5" Full HD open-frame panel PC, projected capacitive touch screen with IB917F-7100, 7th Gen Intel® Core™ i3 7100U processor, 4GB DDR4 memory, 64GB SSD, without power adaptor

MBM-7001 Motherboard for Panel PC

Medical Motherboard with 7th/6th Gen Intel® Core™ U-Series



Specifications

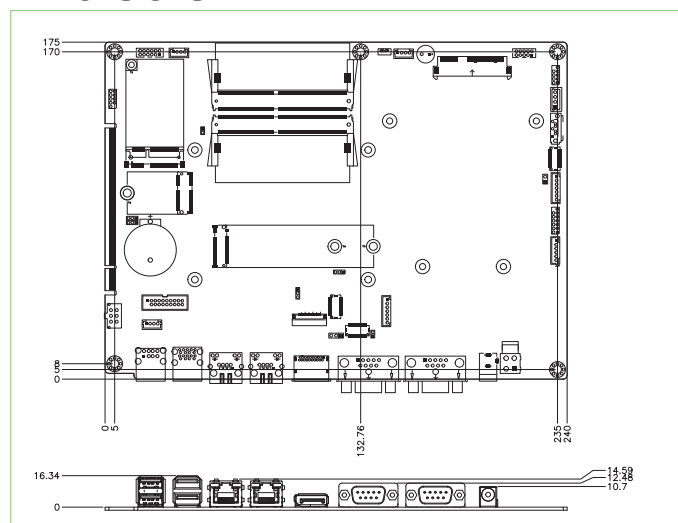
Processor	7th/6th Gen Intel® Core™ U series i7/i5/i3
PCH	Integrated in 7th/6th Gen Intel® Core™ U series processor
Memory Types	2x DDR4 SO-DIMM socket, Max. 16GB
BIOS	AMI
Watchdog Timer	256 level
H/W Monitor	Yes
Storage Device Interface	1x M.2 2260/80 (SATA III interface) 1x 7P SATA III connector 1x 22P SATA III connector
Mini Type Slots	1x miniPCI-E (full-size) 1x M.2 2230
Graphics Controller	Intel® SOC integrated 7th/6th Gen Core™ U graphics
Video Output	24-bit dual-channel LVDS/eDP 2 Lanes DP port
Ethernet	1x Intel® I219LM GbE 4KV isolation 1x Intel® I211AT GbE 4KV isolation
I/O Chip	Fintek F81846AD
Serial Port	COM1: RS232/422/485 jumper less selection, 4KV isolation COM2: RS232, 4KV isolation COM3: RS-232, Box header
USB 2.0	One stack connector for 2x USB 2.0 at edge One onboard 4-pin connector with GPO power control
USB 3.0/ USB 3.1	One stack connector for 2x USB 3.0 at edge One 10-pin Box header for 2x USB 3.0
Serial ATA	3x SATA III
Audio	Realtek ALC283-CGT Line in/Line out/Mic-in/speaker-out (pin header)
TPM	Infineon SLB9665
Features	19VDC-in with short protection, PCI-E x4 expansion, smart battery support
Dimensions (L x W)	240mmx 175mm
Power Consumption	Intel® i7-6600U with 2x 4GB DDR4 -2133 @ 12V/3.5A
Operating Temperature	0°C~60°C
Storage Temperature	-20°C~80°C
Relative Humidity	0~90% (Non-condensing @ 60°C)

Features

- 7th/6th Gen Intel® Core™ U platform
- Low profile and less cable design
- Dual 24-bit LVDS or eDP panel interface
- Smart battery supports
- Dual 24-bit LVDS or eDP panel interface
- 4KV isolated RS232/422/485

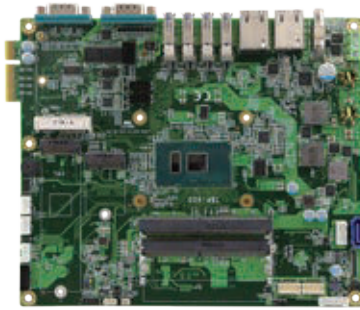


Dimensions



Ordering Information

MBM-7001-6600	6th Gen Intel® Core™ i7 6600U up to 3.4GHz motherboard, with two DDR4 SO-DIMM, 2x Intel® GbE LAN, dual LVDS/eDP, ATX /power jack 19VDC power input
MBM-7001-S-6600	6th Gen Intel® Core™ i7 6600U up to 3.4GHz motherboard, with two DDR4 SO-DIMM, 2x Intel® GbE LAN, dual LVDS/eDP, ATX only 19V DC power input
MBM-7001	6th Gen Intel® Core™ i5 6300U up to 3GHz motherboard, with two DDR4 SO-DIMM, 2x Intel® GbE LAN, dual LVDS/eDP, ATX /power jack 19V DC power input
MBM-7001-S	6th Gen Intel® Core™ i5 6300U up to 3GHz motherboard, with two DDR4 SO-DIMM, 2x Intel® GbE LAN, dual LVDS/eDP, ATX only 19V DC power input
IDM-101	LED reading light board, (must works with IDM-102)
IDM-102	Capacitive control keys board, brightness, volume, power on/off, touch on/off, reading light control Must work with MBM-7001
IB03	A034BATSM4S1P0000P 4S1P 2500mAH battery, (for MBM-7001)



Specifications

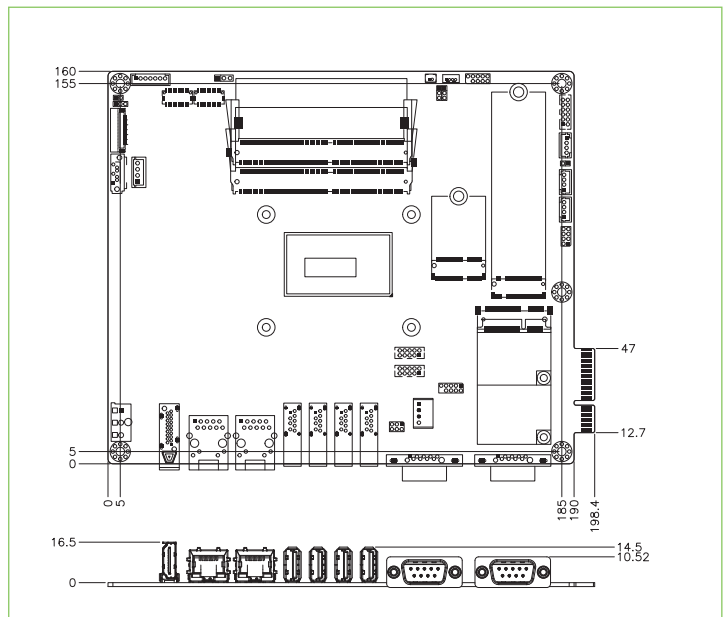
Processor	7th/6th Gen Intel® Core™ U series i7/i5/i3
PCH	Integrated in 7th/6th Gen Intel® Core™ U series processor
Memory Types	2x DDR4 SO-DIMM socket, Max. 16GB
BIOS	AMI
Watchdog Timer	256 level
H/W Monitor	Yes
Storage Device Interface	1x M.2 2280 (SATA III interface) 1x 7P SATA III connector
Mini Type Slots	1x miniPCI-E (full-size) 1x M.2 2230
Graphics Controller	Intel® SOC integrated 7th/6th Gen Core™ U graphics
Video Output	24-bit dual-channel LVDS/eDP 2 Lanes HDMI
Ethernet	1x Intel® I219LM GbE 1x Intel® I211AT GbE
I/O Chip	Fintek F81846AD
Serial Port	COM1: RS232/422/485 jumperless selection, isolated Ring-in power @500 mA selectable for 5V or 12V, non isolated COM2: RS232/422/485 jumper less selection, non isolated COM3/COM4: RS-232, Box header
USB 2.0	2x USB 2.0 Box header
USB 3.0/ USB 3.1	4x USB 3.0 flag type A
Serial ATA	2x SATA III
Audio	Realtek ALC283-CGT Line in/Line out/Mic-in/speaker-out (pin header)
TPM	Infineon SLB9665
Features	9V~30V DC-in with reverse protection, PCI-Ex4 expansion
Dimensions (L x W)	198.4mm x 160mm
Power Consumption	Intel® i7-7600U with 2x 4GB DDR4 -2133 @ 12V/3.5A
Operating Temperature	0°C~70°C
Storage Temperature	-20°C~80°C
Relative Humidity	0~90% (Non-condensing @ 60°C)

Features

- 7th/6th Gen Intel® Core™ U platform
- Low profile and less cable design
- Onboard 1x miniPCI-E/M.2 22x30 socket and one PCI-E(x4) expansion
- Direct panel backlight driving, up to 12V DC with 3A(36W) power
- Dual 24-bit LVDS or eDP panel interface
- Isolated RS232/422/485



Dimensions



Ordering Information

IBP-900K-7300	7th Gen Intel® Core™ i5 7300U up to 3.5GHz motherboard, with two DDR4 SO-DIMM, 2x Intel® GbE LAN, dual LVDS/eDP, 9V~30VDC power input
IBP-900S-6300	6th Gen Intel® Core™ i5 6300U up to 3.0GHz motherboard, with two DDR4 SO-DIMM, 2x Intel® GbE LAN, dual LVDS/eDP, 9V~30VDC power input
IBP-900K-7600	7th Gen Intel® Core™ i7 7600U up to 3.9GHz motherboard, with two DDR4 SO-DIMM, 2x Intel® GbE LAN, dual LVDS/eDP, 9V~30VDC power input
IBP-900S-6600	6th Gen Intel® Core™ i7 6600U up to 3.4GHz motherboard, with two DDR4 SO-DIMM, 2x Intel® GbE LAN, dual LVDS/eDP, 9V~30V DC power input
IPP101	4x PCI-E expansion slot card for IBP-900 series

Medical Series 21.5"

I/O View



Features

- EN60601-1 Certified
- Projected capacitive touch screen



- Capacitive control keypad for power / brightness / volume



- PCI-E (x4) expansion card support



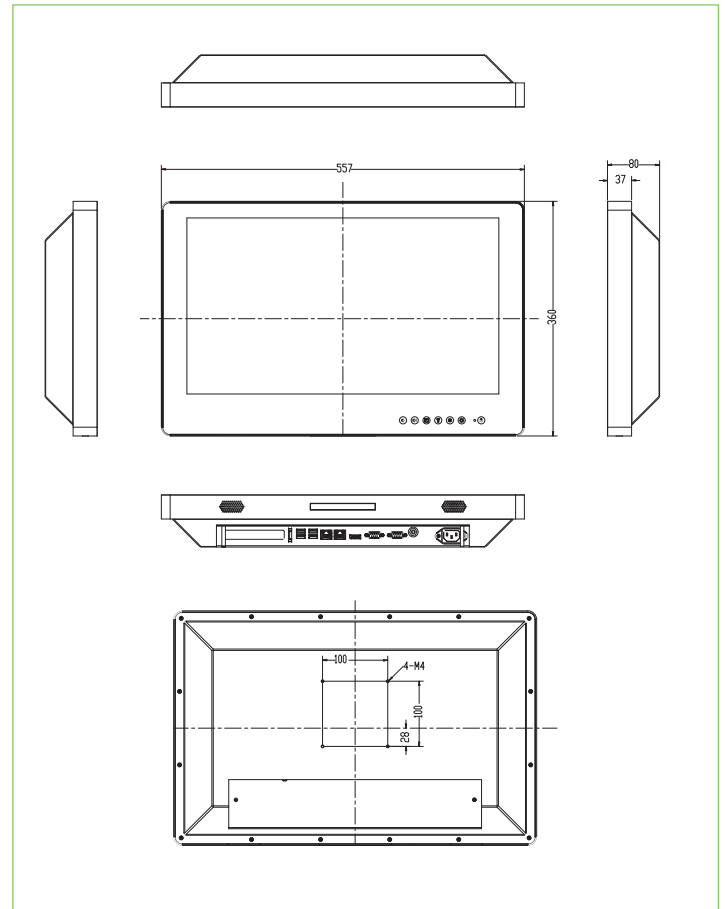
- IP65 front-panel waterproof protection



Specifications

Display & Touch Screen	Display Size	21.5" TFT-LCD
	Max. Resolution	1920 x 1080
	Luminance (cd/m ²)	300
	Contrast	1000:1
	Max. Color	16.7M
	View Angle (H/V)	178° / 178°
	Backlight Lifetime(hrs)	30000
	Touch Type	Projected capacitive
	Touch Interface	USB
	Light Transmission (%)	87
System	Point of touch	Up to 10
	Processor	Intel® Core™ i5-6300U 2.4GHz
	Memory	2x DDR4-2133 SO-DIMM, default 4GB (1x 4GB)
	Thermal Design	Fanless
	Membrane Control	Capacitive keys for Power on-off/Brightness up/down/ Volume up/down/Touch on-off/ Reading light on-off
I/O Interface	Built-in Speaker/Mic	IP54 speaker
	USB 3.0	2
	USB 2.0	2
	RS-232/422/485 Selectable in BIOS	1 (4KV isolated)
	RS-232	1 (4KV isolated)
	LAN	2x GbE (4KV isolated)
	Additional Graphics	DP
	Audio	None
	Digital I/O	None
	Power Connector	IEC60320 C14
Expansion	Power Button	Capacitive-type power button with LED indicator in front bezel
	Internal Expansion Bus	1x M.2 Type 2230 socket 1x Mini PCI-E full-size socket
Storage Space	Expansion Slot	1x PCI-E (x4)
	Wireless	Optional
Power	HDD	1x 2.5" SATA, default 64G SSD 1x M.2 SSD
	Removable	None
Mechanical	Power Input Range	90V AC-240V AC optional internal backup battery for 15-min operation
	Dimensions (mm)	557 x 360 x 80
Construction	Net Weight (kgs)	6.7
	Chassis Material	Aluminum + Sheet metal with white powder coating
Environmental	Color (Front/Back)	Medical White
	IP Rating	IP65 rated front bezel / IP54 (except I/O side)
	Mounting	VESA 100mm x 100mm
	Operating Temperature	0°C ~ 40°C
Environmental	Storage Temperature	-20°C ~ 60°C
	Storage Humidity	10%~ 95% (non-condensing)
	Certification	CE/FCC Class-B and LVD EN 60601-1: 2006 + A1: 2013(IEC 60601-1: 2012 reprint) EN 60601-1-2:2015 (IEC 60601-1-2:2014)
	Supported Operating Systems	Windows 10 64-bit

Dimensions



Ordering Information

UMT-7212	21.5" Medical Panel PC with MBM-7001, 6th Gen Intel® Core™ i5-6300U processor, 4GB DDR4 SO-DIMM, 64G SSD, projected capacitive touch, 90V~240V AC power input
optional battery	3S1P backup battery for 15-minute operation
optional LED light	IDM101 LED reading light
optional Wi-Fi set	optional Intel® M.2 7265 Wi-Fi module with external antenna

BYARM-181-PC

ARM-based Panel PC
ARM-Based All-in-One Panel PC
with NXP i.MX6 Cortex Processor

BYARM Series **18.5"**



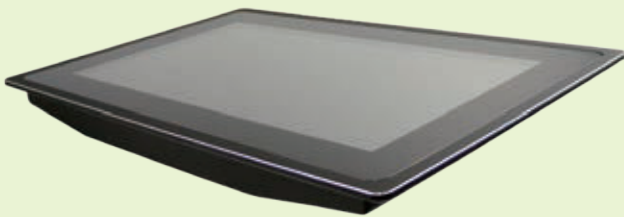
I/O View



BYARM-181-PC

Features

- NXP i.MX6 high performance processor
- Projected capacitive touch screen, flat bezel design



- 12V DC and PoE support
- Programmable LED light bar (rear)
- External SD card slot for storage expansion
- Supports Android 4.3x

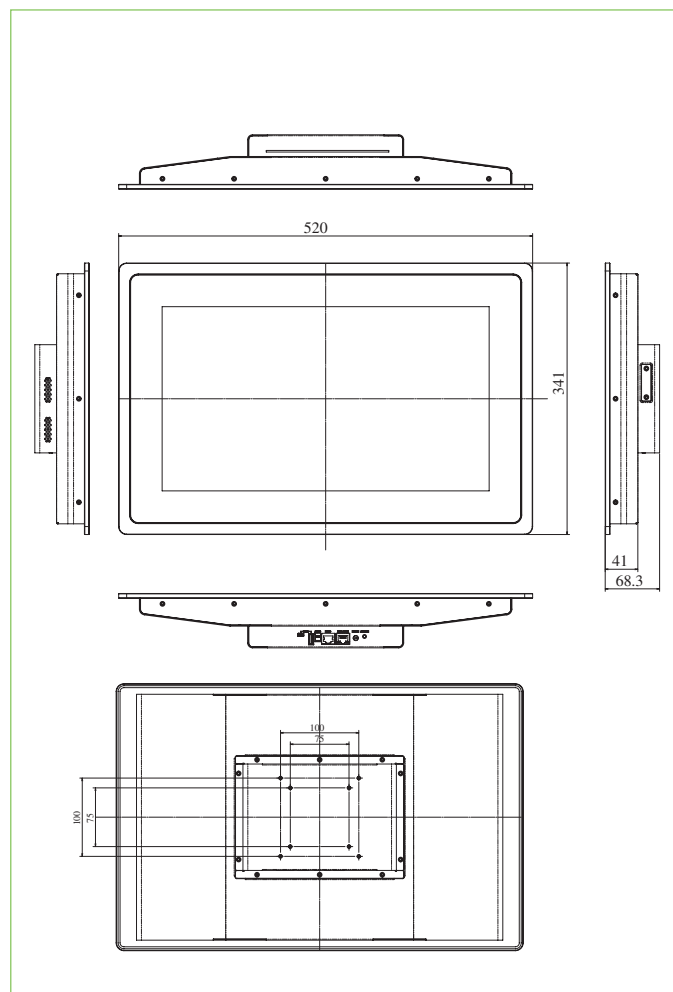


BYARM-181-PC

Specifications

Display & Touch Screen	Display Size	18.5" TFT-LCD
	Max. Resolution	1366 x 768
	Luminance (cd/m2)	300
	Contrast	1000:1
	Max. Color	16.7M
	View Angle (H°/V°)	170/160
	Backlight Lifetime(hrs)	50000
	Touch Type	Projected capacitive
	Touch Interface	USB
	Light Transmission (%)	85
	Point of touch	2
System	Processor	NXP i.MX6 Cortex A9 Solo 1 Core @ 1GHz
	Memory	1GB DDR3 on board
	Thermal Design	Fanless
	Membrane Control	None
	Built-in Speaker/Mic	2x speaker
I/O Interface	USB 3.0	0
	USB 2.0	1x USB (USB Host, A-Type) (Flag type) 1x USB OTG (mini AB type)
	RS-232/422/485 Selectable in BIOS	1
	RS-232	0
	LAN	1x GbE
	Additional Graphics	None
	Audio	None
	Digital I/O	None
	Power Connector	Power jack
	Power Button	Reset button
Expansion	Internal Expansion Bus	1x Mini PCI-E slot (full/half size)
	Expansion Slot	None
	Wireless	optional Wi-Fi/BT
Storage Space	HDD	4GB eMMC on board
	Removable	1x SD slot
Power	Power Input Range	12V DC / PoE+
Mechanical	Dimensions (mm)	520 x 341 x 68.3
	Net Weight (kgs)	6.1
Construction	Chassis Material	Black aluminum front bezel and black steel back cover
	Color (Front/Back)	Black / Black
	IP Rating	IP65 front bezel
	Mounting	VESA 75x75, 100x100 mm
Environmental	Operating Temperature	0°C~50°C
	Storage Temperature	-20°C~60°C
	Storage Humidity	10%~90% (non-condensing)
	Certification	CE/FCC Class-B
	Supported Operating Systems	Android 4.3

Dimensions



Ordering Information

BYARM-181-PC

18.5" RISC Panel PC with projected capacitive touch, with iB102 i.MX6 Cortex A9 CPU, 1GB DDR3 on board, Android support, w/ 60W power adaptor

BYTEM Series 7" 10.1" 12"



I/O View



BYTEM-W075-PC



BYTEM-W071-PC



BYTEM-W072-PC



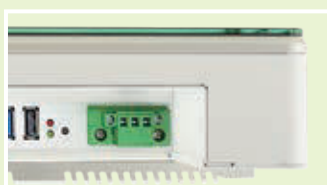
BYTEM-101-PC / BYTEM-121-PC

Features

- Supports Intel® Atom® Processor
- Very low power consumption
- Fanless design



- 9V~30V DC wide-range power input
(for BYTEM-101-PC / BYTEM-121-PC)



- Flat panel design with projected capacitive touch
- IP65 front-panel waterproof protection



- Easily accessible 2.5" HDD storage



- Compact size



BYTEM-W071-PC / BYTEM-W072-PC / BYTEM-W075 BYTEM-101-PC / BYTEM-121-PC

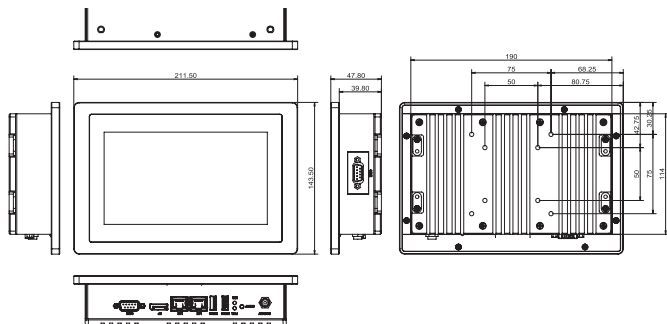
Specifications

Model No.		BYTEM-W071-PC	BYTEM-W072-PC	BYTEM-W075	BYTEM-101-PC	BYTEM-121-PC
Display & Touch Screen	Display Size	7" TFT-LCD			10.1" TFT-LCD	12.1" TFT-LCD
	Max. Resolution	1024 x 600			1280 x 800	1024 x 768
	Luminance (cd/m ²)	500			350	
	Contrast	800:1			800:1	
	Max. Color	16.7M			262K	16.7M
	View Angle (H°/V°)	150/150			170/170	160/160
	Backlight Lifetime(hrs)	50000			15000	30000
	Touch Type	Projected capacitive			Projected capacitive	
	Touch Interface	USB			USB	
	Light Transmission (%)	85			85	
	Point of touch	10			2	
System	Processor	Intel® Atom® Processor E3815 (Single-Core @ 1.46GHz)	Intel® Atom® Processor E3825 (Dual Cores @ 1.33 GHz)	Intel® Atom® Processor x6425E (Quad Cores @ 1.8 GHz)	Intel® Atom® Processor E3845 (Quad-Core @ 1.91GHz)	
	Memory	2x DDR3L SO-DIMM, up to 4GB, default DDR3L 2GB (2GBx1)	1x DDR3L SO-DIMM, up to 4GB, default DDR3L 2GB (Non-ECC)	1x DDR4 SO-DIMM, up to 16GB, default DDR4 4GB (1BECC)	2x DDR3L SO-DIMM, up to 8GB, default DDR3L 4GB (4GBx1)	
	Thermal Design	Fanless			Fanless	
	Membrane Control	None			None	
	Built-in Speaker/Mic	None			None	
I/O Interface	USB 3.0	1	1	4	1	
	USB 2.0	1	1	0	1	
	RS-232/422/485 Selectable in BIOS	1			1	
	RS-232	1			1	
	LAN	2x GbE	1x RJ45 with GbE LAN	2x GbE	2x GbE	
	Additional Graphics	DP		HDMI	DP	
	Audio	None			None	
	Digital I/O	None			None	
	Power Connector	Power jack		3-pin terminal block	3-pin terminal block	
Expansion	Internal Expansion Bus	1x mPCI-E(x1) w/ USB signal [half-size] 1x mSATA/mPCI-E(x1) w/ USB signal and mSATA supports [full-size]	1x miniPCI-E [half-size]	1x full-size mPCI-E(x1) w/ USB + PCI-E signal 1x M.2 E-key 2230 1x M.2 B-key 3042	1x mPCI-E(x1) w/ USB signal [half-size] 1x mSATA/mPCI-E(x1) w/ USB signal and mSATA supports [full-size]	
		Expansion Slot	None			None
	Wireless	optional Wi-Fi/BT			optional Wi-Fi/BT	
	Storage Space	HDD	1x 2.5" SATA	mSATA, default 64GB mSATA	1x 2.5" SATA	1x 2.5" SATA
Removable		None			None	
Power	Power Input Range	12V DC input			9~30V DC input	
Mechanical	Dimensions (mm)	211.5 x 143.5 x 52	221.5 x 143.5 x 45.8	211.5 x 143.5 x 52	285 x 204 x 59.6	317 x 255 x 59.6
	Net Weight (kgs)	1.5			3.3	4.3
Construction	Chassis Material	Aluminum front bezel and white steel back cover with aluminum heat-sink	Aluminum front bezel	Aluminum front bezel and white steel back cover with aluminum heat-sink	Aluminum front bezel and white steel back cover with aluminum heat-sink	
	Color (Front/Back)	Black / white			Black / white	
	IP Rating	IP65 front bezel			IP65 front bezel	
	Mounting	Panel mount and VESA 50x50, 75x75 mm	Panel mount and VESA 75x75 mm		VESA 75x75 mm	
Environmental	Operating Temperature	-10°C ~ 50°C			0°C ~ 40°C (with HDD/CFast) 0°C ~ 50°C (with SSD)	
	Storage Temperature	-30°C~70°C			-20°C~60°C	
	Storage Humidity	10%~90% (non-condensing)				
	Certification	CE/FCC Class-B				
	Supported Operating Systems	Windows 8 32/64-bit, Windows 7 Pro for Embedded 64-bit, WES7 64-bit				

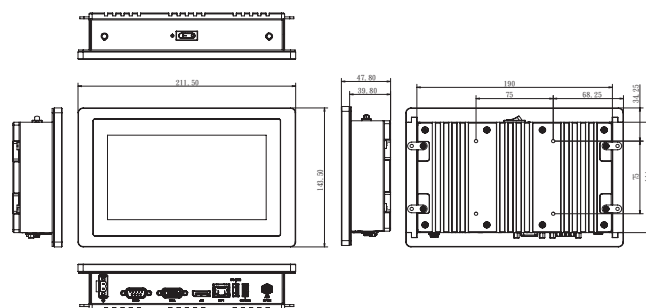
BYTEM-W071-PC / BYTEM-W072-PC / BYTEM-W075 BYTEM-101-PC / BYTEM-121-PC

Dimensions

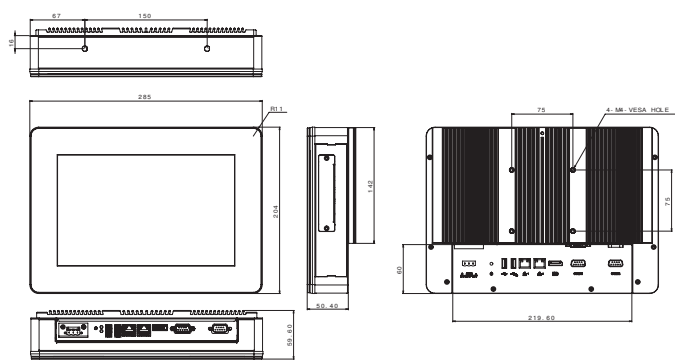
BYTEM-W071-PC



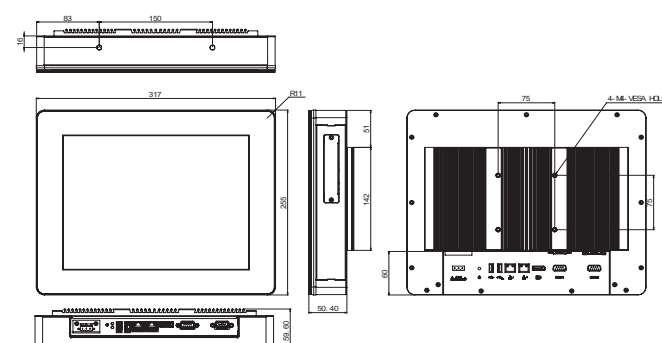
BYTEM-W072-PC



BYTEM-101-PC



BYTEM-121-PC



Ordering Information

BYTEM-W075	7" Flat Panel Design Panel PC with IB837, Intel® Atom® Processor x6425E 1.8GHz, 4GB DDR4 SO-DIMM, 64GB SSD, projected capacitive touch, w/ 60W power adaptor
BYTEM-W071-PC	7" Flat Panel Design Panel PC with IB897, Intel® Atom® Processor E3815 1.46GHz, 2GB DDR3L SO-DIMM, 32G SSD, projected capacitive touch, w/ 60W power adaptor
BYTEM-W072-PC	7" Flat Panel Design Panel PC with IB898, Intel® Atom® Processor E3825 1.33GHz, DDR3L SO-DIMM 2GB, with 64G mSATA, projected capacitive touch, with 12V power adaptor
BYTEM-101-PC	10.1" Flat Panel Design Panel PC with IB897, Intel® Atom® Processor E3845 1.91GHz, 4GB DDR3L SO-DIMM, 64G SSD, projected capacitive touch, w/o power adaptor
BYTEM-121-PC	12.1" Flat Panel Design Panel PC with IB897, Intel® Atom® Processor E3845 1.91GHz, 4GB DDR3L SO-DIMM, 64G SSD, projected capacitive touch, w/o power adaptor
Power adaptor (optional)	AC 90V~240V input, 12V DC output 84W power adaptor, IBASE P/N: A005PS084W0050000P

UPC-7210 UPC-6210

Smart Retail Panel PC

21.5" Panel PC with 7th Gen Intel® Core™ i3/i5/i7 / Celeron® / Atom® Processor

UPC Series **21.5"**

I/O View

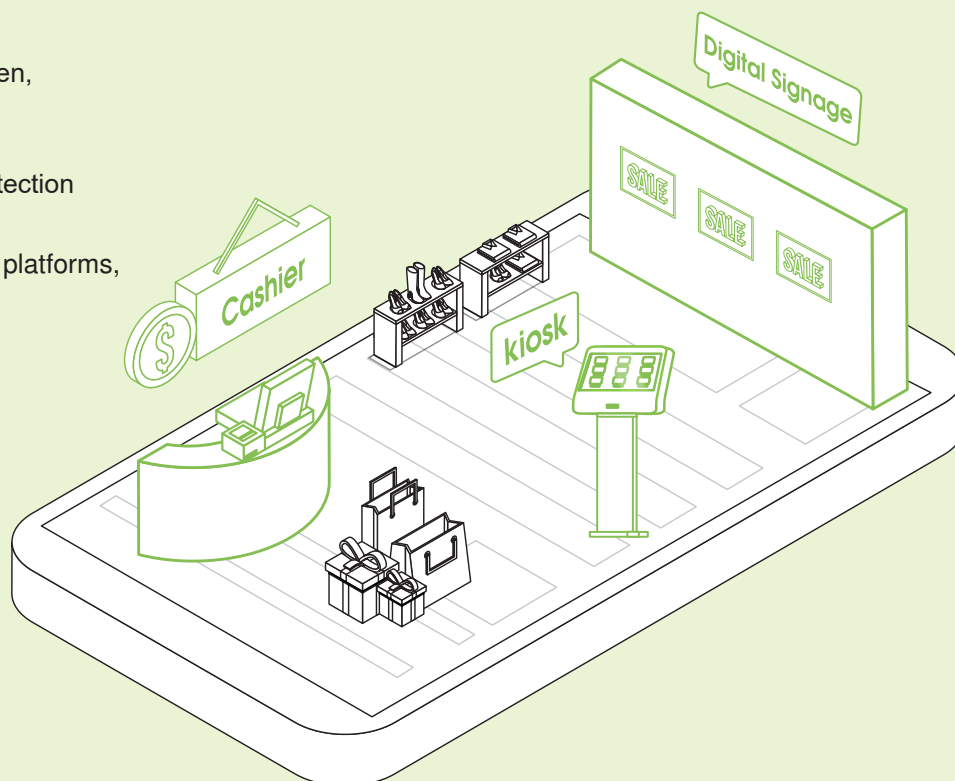


UPC Series VIDEO



Features

- 21.5" IPS LCD, 1920 x1080
- Projected capacitive touch screen, supports multi touch
- IP65 front-panel waterproof protection
- Supports a variety of processor platforms, from entry to performance level
- Optional wireless solution



UPC-7210 / UPC-6210

Specifications

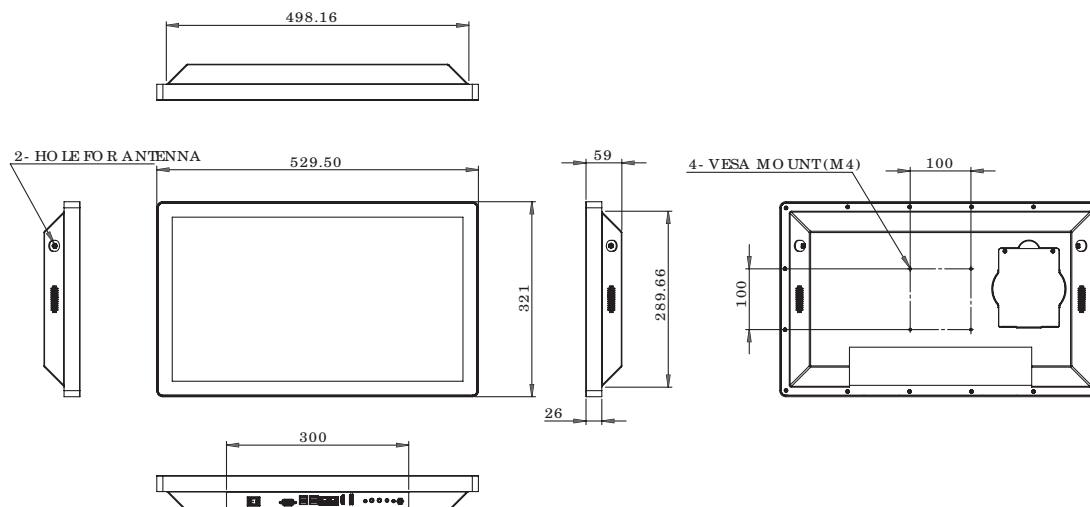
Model No.		UPC-7210	UPC-6210
Display & Touch Screen	Display Size	21.5" TFT-LCD	
	Max. Resolution	1920 x 1080	
	Luminance (cd/m2)	250	
	Contrast	1:1000	
	Max. Color	16.2M	
	View Angle (H/V)	178/178	
	Backlight Lifetime(hrs)	30000	
	Touch Type	Projected capacitive	
	Touch Interface	USB	
	Light Transmission (%)	89	
	Point of touch	10	
System	Processor	Intel® i7 7600U (2.8GHz~3.9GHz, 4MB cache) UPC-7210 -I76 Intel® i5 7300U (2.6GHz~3.5GHz, 3MB cache) UPC-7210 -I73 Intel® i3 7100U (2.4GHz, 3MB cache) UPC-7210 -I71	Intel® Celeron® J1900 (2.0GHz~2.4GHz, 2MB cache) UPC-6210 -J19 Intel® Atom® E3825 (1.33GHz, 1MB cache) UPC-6210 -I25
	Memory	Max. 32GB, default 4GB DDR4	Max. 32GB, and default 4GB DDR3L
	Thermal Design	Fanless	
	Membrane Control	None	
	Built-in Speaker/Mic	2x 2W 4Ω Speakers	
I/O Interface	USB 3.0	4	1
	USB 2.0	0	1
	RS-232/422/485 Selectable in BIOS	1	
	RS-232	0	
	LAN	2 x GbE	1 x GbE
	Additional Graphics	1x HDMI 1x DP	1x VGA 1x DP
	Audio	1x 3.5 mm phone jack for line -out	
	Digital I/O	None	
	Power Connector	Power jack	
	Power Button	Rock switch	
Expansion	Internal Expansion Bus	1x miniPCI-E Full-size, mSATA supports	1x miniPCI-E Full-size mSATA supports 1x miniPCI-E Full-size 1x miniPCI-E Half-size
	Expansion Slot	None	
	Wireless	optional	
Storage Space	HDD	1x 2.5" HDD space default 64GB SSD	
	Removable	None	
Power	Power Input Range	12V/24VDC	12V DC
Mechanical	Dimensions (mm)	529 x 321 x 59	
	Net Weight (kgs)	9	
Construction	Chassis Material	AL 5052	
	Color (Front/Back)	Black/Black	
	IP Rating	Front Side IP65	
	Mounting	VESA 100x100	
Environmental	Operating Temperature	0°C~50°C	
	Storage Temperature	-20°C~70°C	
	Storage Humidity	10%~90% @40°C (non-condensing)	
	Certification	CE/FCC Class-B +LVD	
	Supported Operating Systems	Windows 10, 64bits, Linux Kernel 4+	Windows 7, Windows 10, 32/64bits, Linux Kernel 3+

Remarks: 1. Specifications are subject to change without prior notice. 2. ODM/OEM is available. 3. To download user's manual & datasheet , visit www.ibase.com.tw.

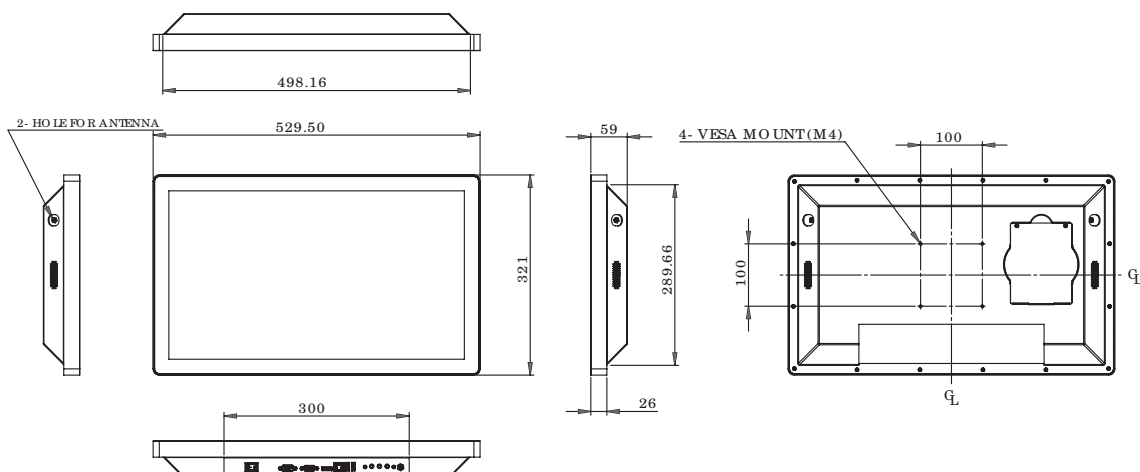
UPC-7210 / UPC-6210

Dimensions

UPC-7210



UPC-6210



Ordering Information

UPC-7210 -I76	21.5" Fanless Panel PC with IB917AF-7600, 7th Gen Intel® Core™ i7 7600U, Projected capacitive touch screen, 4GB DDR4 memory, 64G SSD, 12V or 24V DC input, with 12VDC adaptor
UPC-7210 -I73	21.5" Fanless Panel PC with IB917AF-7300, 7th Gen Intel® Core™ i5 7300U, Projected capacitive touch screen, 4GB DDR4 memory, 64G SSD, 12V or 24V DC input, with 12VDC adaptor
UPC-7210 -I71	21.5" Fanless Panel PC with IB917AF-7100, 7th Gen Intel® Core™ i3 7100U, Projected capacitive touch screen, 4GB DDR4 memory, 64G SSD, 12V or 24V DC input, with 12VDC adaptor
UPC-6210 -J19	21.5" Fanless Panel PC with IB898-J19D1, Intel® Celeron J1900, Projected capacitive touch screen, 4GB DDR3L memory, 64G SSD, 12V DC input, with 12VDC adaptor
UPC-6210 -I25	21.5" Fanless Panel PC with IB898-I25, Intel® Atom® Processor E3825, Projected capacitive touch screen, 4GB DDR3L memory, 64G SSD, 12V DC input, with 12VDC adaptor



Features

- Modular design for easy maintenance
- With printer, NFC, scanner, PIN pad, integrated camera
- Supports both portrait and landscape display modes
- Custom modifications to the color, shape, and surface treatment

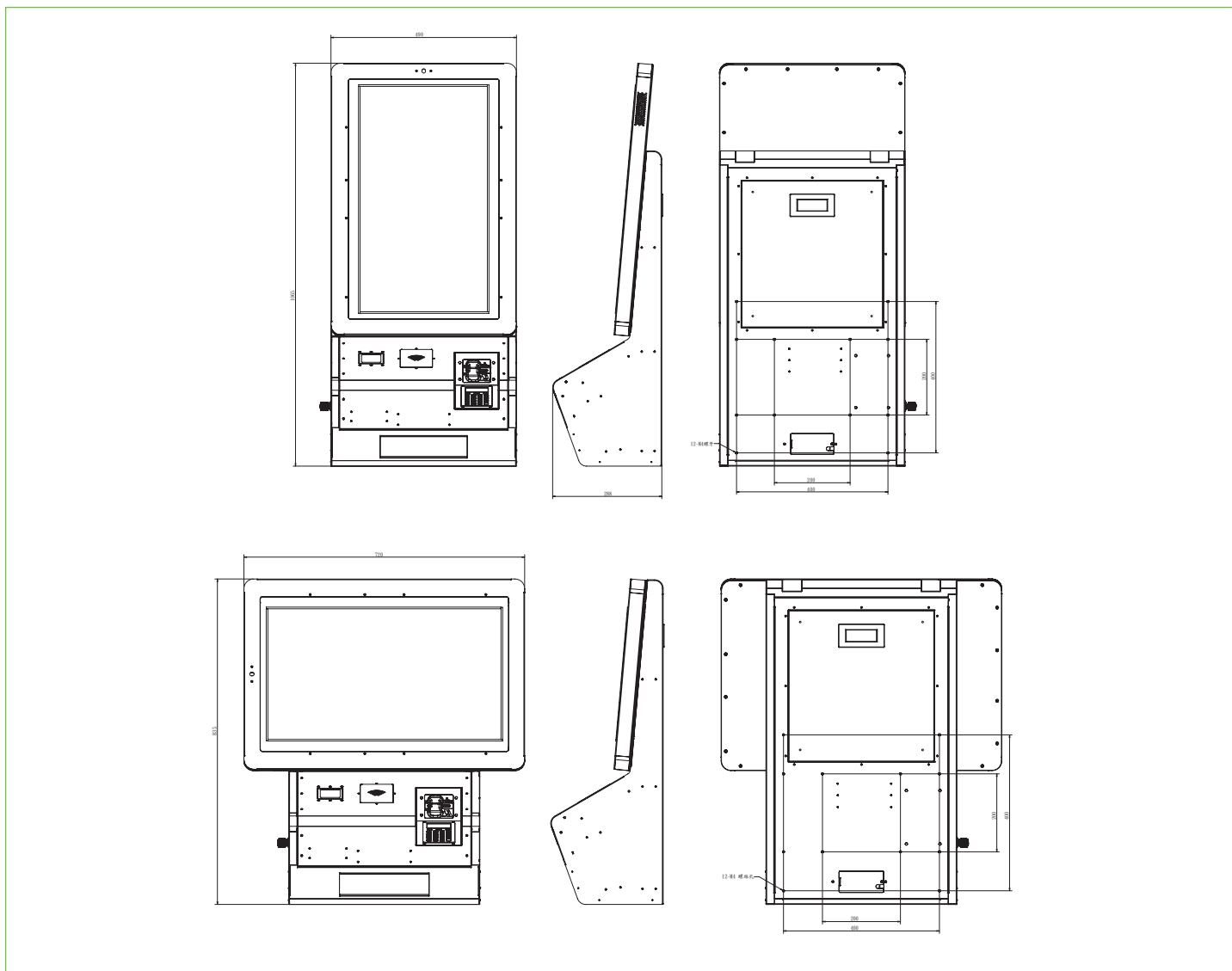
System Specifications

Model No.		IKS2700I	IKS2700A
System Mainboard		IB919AF-8665	IB918F-1605
Processor		Intel® Core™ i7-8665UE (1.7GHz/4.4GHz)	AMD Ryzen™ V1605B QC APU (2.0GHz~3.6GHz)
Memory		2x DDR4 SO-DIMM, up to 32 GB, default 4GB	
Rear Panel External I/O		N/A	
Storage		2x 2.5" SATA III space (default 2x 64GB)	1x 2.5" SATA III space (default 64GGB) 1x M.2 M2280 (default 64GB)
Expansion Slots		1x M.2 M2280 socket 1x M.2 E2230 socket reserved for optional WiFi	1x M.2 E2230 socket reserved for optional WiFi
Power Supply		100V~240V AC	
LCD Panel	Panel Size	27" TFT-LCD	
	Max. Resolution	1920 x 1080	
	Luminance (cd/m2)	250	
	Max. Color	16.7M	
	View Angle (H°/V°)	178/178	
	Backlight Lifetime (hrs)	30,000	
Touch Screen	Touch Type	Projected capacitive touch	
	Touch Interface	USB	
	Light Transmission (%)	85	
Build-in Default	Printer	2" or 3" thermal printer w/ auto cutter	
	Scanner	1D/2D barcode scanner	
	Camera	2M camera with MIC	
	Speaker	2x 2W	
Build-in Options	WIFI	WiFi / Bluetooth module	
	EMV payment device	With PCI-certified PIN pad	
	NFC Reader	ISO/IEC 14443A Mifare	
Construction		Aluminum	
Chassis Color		White	
IP Rating		Front side IP4X	
Mounting		VEAS 400x200/200x200 Stand-Pole (option)	
Dimensions (mm)		1065 x 490 x 288 (portrait display mode) 720 x 835 x 288 (landscape display mode)	

IKS2700I / IKS2700A

Weight	40kgs
Operating Temperature	-5°C~50°C
Storage Temperature	-20°C~70°C
Storage Humidity	10%~90% @40°C (non-condensing)
Vibration	IEC60068-2-64 ed2.0 2008-04
Shock	MIL-STD-810G 516.6
Certification	Meet CE/FCC Class-A + LVD
Operating Systems	Windows 10 IoT

Dimensions



Ordering Information

IKS2700I	27" 1920x1080 IBASE Kiosk System, Intel® i7 8665UE processor, 4GB DDR4 memory, 2x 64GB 2.5" SSD, thermal printer, NFC reader, barcode scanner, PIN Pad, integrated camera, projected capacitive touch screen, pre-installed Windows 10 IoT, 100V~240V AC power input
IKS2700A	27" 1920x1080 IBASE Kiosk System, AMD Ryzen™ V1605B QC APU, 4GB DDR4 memory, 1x 64GB 2.5" SSD, 1x 64G M2280 M.2, thermal printer, NFC reader, barcode scanner, PIN Pad, integrated camera, projected capacitive touch screen, pre-installed Windows 10 IoT, 100V~240V AC power input



System Specifications

System Mainboard		IB917
Processor		Intel® Core™ i7-7600U 2.8 GHz (VINO2100-I76) Intel® Core™ i5-7300U 2.6 GHz (VINO2100-I73) Intel® Core™ i3-7100U 2.4 GHz (VINO2100-I71)
Memory		2x DDR4 SO-DIMM, up to 32 GB, default 4GB
Construction		Aluminum
Chassis Color		White
Rear Panel External I/O		2x RJ45 Gigabit LAN 1x HDMI 1x DP 4x USB 3.0 Type-A 1x D-SUB9 COM1 RS-232/422/485 1x Rock switch 1x Power jack
Storage		1 x 2.5" HDD space default 64GB SSD
Camera		1x USB 1080P camera with digital microphone
Speaker		2x speaker
Expansion Slots		1x miniPCI-E Full-size
Power Supply		DC 24V
LCD Panel	Panel Size	21.5" TFT-LCD
	Max. Resolution	1920 x 1080
	Luminance (cd/m2)	1000
	Max. Color	16.2M
	View Angle (H°/V°)	178/178
	Backlight Lifetime (hrs)	50,000
Touch Screen	Touch Type	Projected capacitive
	Touch Interface	USB
	Light Transmission (%)	86

Features

- 21.5" LCD panel, 1920 x 1080
- Projected capacitive touch screen, supports multi touch
- Built-in webcam with digital microphone
- optional wireless solution
- Supports 2x speakers
- IP65 front-panel waterproof protection

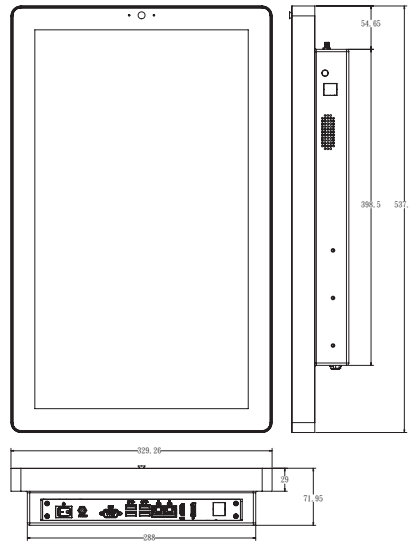
Mounting	VESA 100x100/200x100 Desktop stand & Stand pole (option)
Dimensions	537.8 x 329.26 x 71.95 mm 548.65 x 500 x 242 mm (with desktop stand) 1750 x 550 x 500 mm (with stand pole)
Weight	5.7kg
Operating Temperature	0°C~50°C
Storage Temperature	-20°C~70°C
Relative Humidity	10%~90% @40°C (non-condensing)
Vibration	IEC60068-2-64 ed2.0 2008-04
Shock	MIL-STD-810G 516.6
Certification	CE/FCC Class-A +LVD, VCCI
Operating Systems	Windows 10 64-bit

Ordering Information

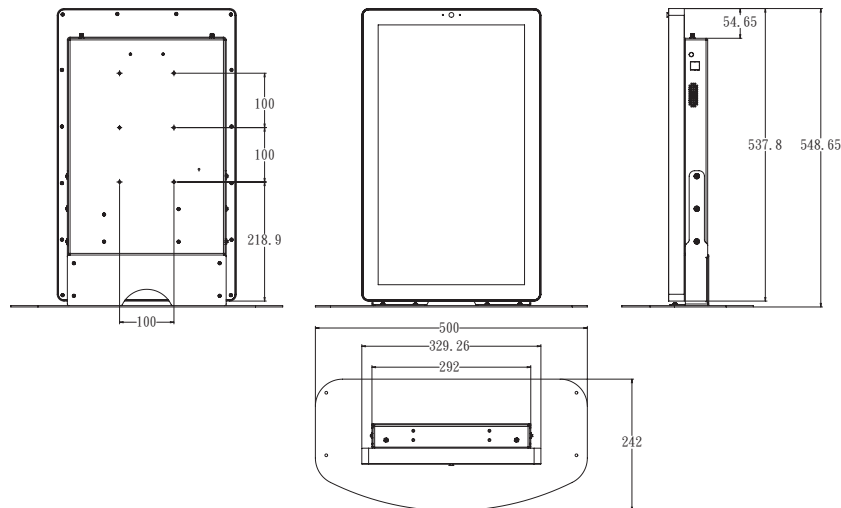
VINO2100-I76	21.5" 1920x1080 Fanless Panel PC, Intel® Core™ i7 7600U processor, 4GB DDR4 memory, 64GB SSD, projected capacitive touch screen w/ 24V 180W adaptor
VINO2100-I73	21.5" 1920x1080 Fanless Panel PC, Intel® Core™ i5 7300U processor, 4GB DDR4 memory, 64GB SSD, projected capacitive touch screen w/ 24V 180W adaptor
VINO2100-I71	21.5" 1920x1080 Fanless Panel PC, Intel® Core™ i3 7100U processor, 4GB DDR4 memory, 64GB SSD, projected capacitive touch screen w/ 24V 180W adaptor
VINODKM (option)	Desktop Mounting Stand for VINO2100 (SC2VINO21000A1100R)
ASP001 (option)	Stand Pole for VINO2100 (A018VINO210000100P)

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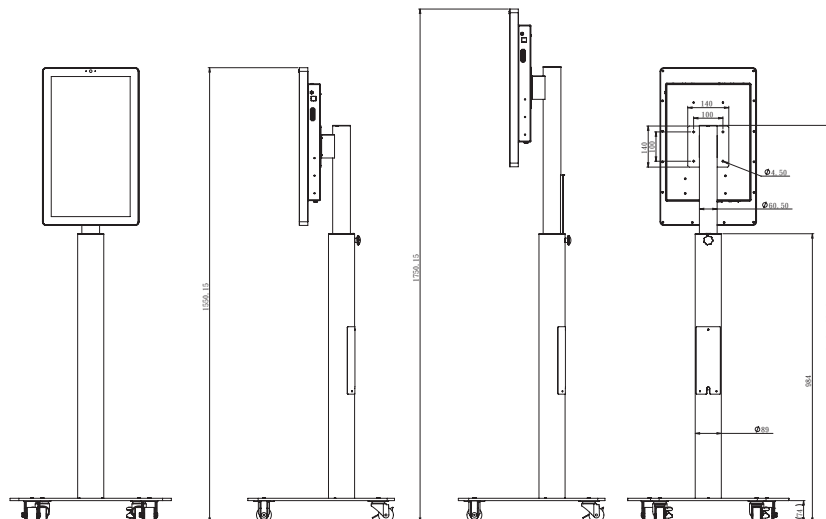
System Dimensions



System with Desktop Dimensions



System with Stand Pole Dimensions



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