

2024 – 2025

New Products



AMI240/AMI242

Fanless Edge Computing System
14th/13th Gen Intel® Core™ i9/i7/i5/i3
Desktop Processors



AMI240



AMI242

- Fanless system with IBASE MBE240 customized board
- 14th/13th Gen Intel® Core™ i9/i7/i5/i3 Desktop Processors (35W TDP)
- Dual SIM slots support WWAN redundancy (5G/4G/LTE)
- 4x RJ45 Ethernet ports (2x 2.5GbE + 2x GbE/PoE+ Supports 802.3at)
- 3x M.2 (B-Key/E-Key/M-Key), iAMT (16.1), TPM (2.0)
- Single 24V DC input, supports over/under/reverse voltage protection
- Supports wide-range operating temperature from -20°C to 70°C
- AMI242 : Flexible expansion slot system, up to PCI-E(16x) Gen.5

ASB200-838

Compact Fanless System

Slim System with IBASE IB838 3.5" Single Board Computer



- Fanless system with IBASE IB838 3.5" Single Board Computer
- Onboard Intel® N-series Processor
- Supports 2x M.2 sockets (B-Key/ E-Key)
- 9V ~ 36V DC Wide-Range power input
- 1x DDR5 SO-DIMM, Max.16 GB
- 3x USB 3.2 + 1x USB Type-C, 2x Intel® 2.5 Gigabit LAN
- 2x DisplayPort, external Digital I/O, support fTPM
- Wall mount kit included

AGS104T

Ultra-Compact IoT Gateway Fanless System

Intel® Atom® Processors x7000RE Series (Amston Lake Platform)



Coming soon



- Intel® Atom® x7835RE / x7211RE Processors
- HDMI & DisplayPort output
- USB Type-C (For DP & USB3.1)
- M.2 B-Key 3052 supports (5G/4G/LTE) module
- 2x 2.5G Ethernet ports, 3x USB3.2
- 2x RS232/422/485, 1x Full-size Mini PCI-E
- Supports Din rail mount, Wall mount & TPM2.0
- 9V~36V DC wide-range power input, supports over/under/reverse voltage protection
- Supports wide-range operating temperature from -40°C to 70°C

CMI300-997

Expandable Fanless System

13th/12th Gen Intel® Core™ i7/i5/i3 Desktop Processors (RPL-PS/ADL-PS Platform)

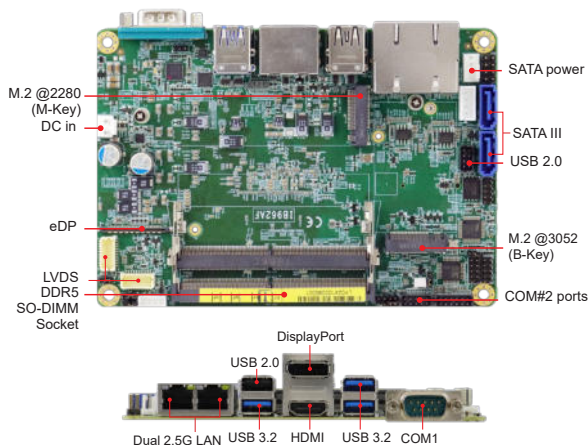


- MI997AF board with LGA 1700 Socket supports 12th/13th Gen Intel® Core™ i7/i5/i3 Desktop processors (15W TDP)
- 2x DDR5 SO-DIMM, Max. 64GB; 2x DisplayPort (1.4a) & 1x HDMI (2.0a)
- 2x 2.5G LAN ports, 6x USB3.2 Type-A, 2x COM, Audio ports
- 4x M.2 sockets (2x M-key, 1x B-key, 1x E-key)
- 12V-24V DC-input
- Wall mount kit included, optional VESA mount kit
- Dimensions : 200 (W) x 200 (D) x 60 (H) mm

IB962

3.5" Single Board Computer

14th Gen Intel® Core™ Ultra Mobile Processors (MTL-U/H Platform)

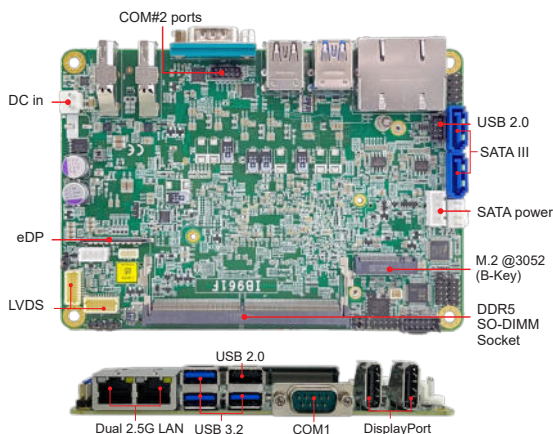


- Onboard 14th Gen Intel® Core™ Ultra 7/5 100 Series mobile processors
- 2x DDR5 SO-DIMM, Max. 64GB
- Supports HDMI, DP++, LVDS and eDP
- 1x Intel® I226LM 2.5G LAN, 1x Intel® I226V 2.5G LAN
- 3x USB 2.0, 3x USB 3.2, 2x COM, 2x SATA III
- 3x M.2 slots (M-Key + E-Key + B-Key)
- Supports 5G, digital I/O (4-in/4-out), dTPM/fTPM & watchdog timer

IB961

3.5" Single Board Computer

13th Gen Intel® Core™ i series / Intel® mobile Processors (Raptor Lake-P Platform)



- Onboard 13th Gen Intel® Core™ i7/i5/i3 mobile processors
- 1x DDR5 SO-DIMM, Max. 32GB
- Supports 2x DisplayPort (1.2), LVDS and eDP
- 2x Intel® PCI-E 2.5G LAN
- 3x USB 2.0, 3x USB 3.2, 2x COM, 2x SATA III
- 3x M.2 slots (M-Key + E-Key + B-Key)
- Supports 5G, digital I/O (4-in/4-out), fTPM & watchdog timer
- Supports wide-range operating temperature from -20°C to 75°C (Only IB961AF-I7PRE)

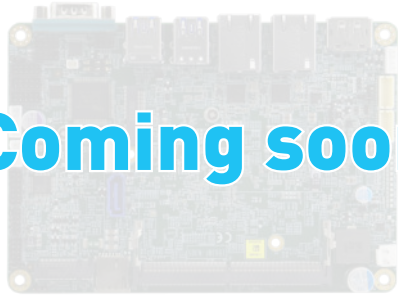
IB839

3.5" Single Board Computer

Intel® Atom® Processors x7000RE Series (Amston Lake Platform)



Coming soon

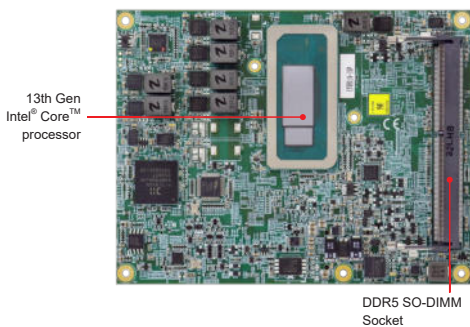


- Onboard Intel® Atom® Processors x7000RE Series
- 1x DDR5-4800 SO-DIMM, Max. 16GB
- Supports Type-C & DP++ and eDP or LVDS
- 2x I226IT PCI-E 2.5G LAN, 4x COM ports
- 4x USB 3.2 (1x Type-C + 3x Type-A), 2x USB 2.0, 1x SATA III
- 2x M.2 sockets (E-Key & B-Key)
- 9V~36V DC wide-range power input
- Supports wide-range operating temperature from -20°C to 85°C
- Supports fTPM, watchdog timer, Digital I/O

ET981

CPU Module

13th Gen Intel® Core™ P-Series COM Express Type 6 (Raptor Lake-P Platform)



- Onboard 13th Gen Intel® P-series Core™ i7/i5/i3 processors
- 2x DDR4-3200 SO-DIMM sockets, Max. 64GB
- 1x 2.5 GbE
- 4x USB 3.2, 8x USB 2.0, 2x SATA III, 2x COM
- Supports 3x independent displays from HDMI / DP / VGA / LVDS or eDP
- Digital I/O, TPM (2.0), Watchdog timer
- 1x PCI-E(x16), 1x PCI-E(x4), 4x PCI-E(x1) signals to carrier board
- Supports wide-range operating temperature from -40°C to 85°C (Only ET981LV-I7PRE)

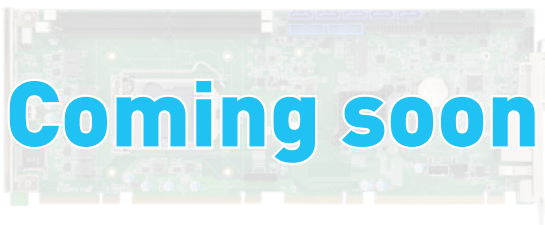
IB996

Full-Size CPU Card

14th/13th/12th Gen Intel® Core™ DT processors (RPL-S Refresh Platform) PICMG 1.3 with Intel® Q670E PCH



Coming soon



- 14th/13th/12th Gen Intel® Core™ i9/i7/i5/i3 processors
- 2x DDR5 DIMM, Max. 64GB
- 2x Intel® 2.5G LAN
- Intel® processor integrated Xe graphics, supports DVI-I & LVDS & DVI-D
- 8x USB 3.2, 5x SATA III, 4x COM
- 2x M.2 socket (M-Key/E-Key)

MI1002

Mini-ITX Motherboard

14th Gen Intel® Core™ Ultra DT Processors (Meteor Lake-PS Platform)



Coming soon



- 14th Gen Intel® Core™ Ultra processors (Meteor Lake-PS)
- 2x DDR5 SO-DIMM, Max. 64GB
- Supports HDMI, DisplayPort(DP++), 2x Type-C
- 1x Intel® I226LM 2.5G LAN, 1x Intel® I226V 2.5G LAN
- 4x USB 3.2 Type-A, 2x USB 3.2 Type-C, 4x USB 2.0, 4x COM, 2x SATA III
- 1x PCI-E (x4), 3x M.2 (M-Key + E-Key + B-Key)
- Supports 5G & watchdog timer, Digital I/O, iAMT (18), dTPM (2.0) / fTPM (2.0)

MI1001

Mini-ITX Motherboard

14th/13th/12th Gen Intel® Core™ DT Processors (RPL-S Refresh Platform) with Intel® Q670E PCH



Coming soon

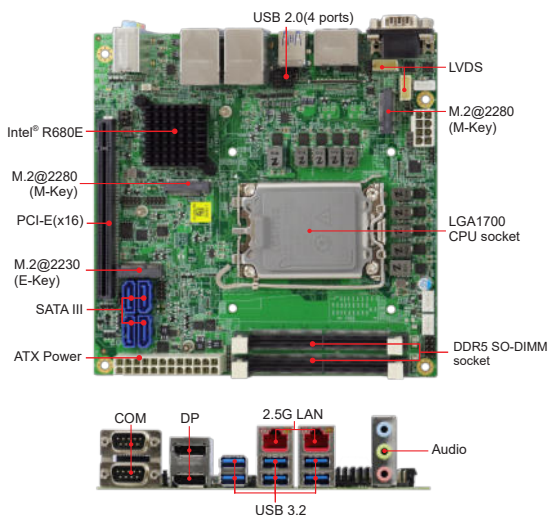


- 14th/13th/12th Gen Intel® Core i9/i7/i5/i3 DT processors
- 2x DDR5 SO-DIMM sockets, Max. 64GB
- Intel processor integrated graphic supports eDP, LVDS and 1x DisplayPort(1.4a) (DP++), HDMI(2.0)
- 2x Intel® 2.5G LAN & 2x Intel® 10G LAN
- 4x USB 3.2, 2x USB 2.0, 2x COM, 2x SATA III
- 1x PCI-E (x16) [Gen.5.0]; 2x M.2 (E-Key and M-Key)
- Supports watchdog timer, Digital I/O, iAMT(16.1), TPM (2.0), **+24V only DC input**

MI1000

Mini-ITX Motherboard

14th/13th/12th Gen Intel® Core™ DT Processors (RPL-S Refresh Platform) with Intel® R680E PCH

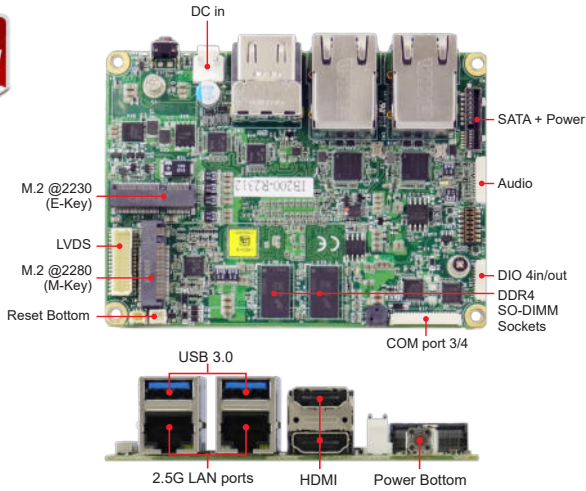


- 14th/13th/12th Gen Intel® Core™ i9/i7/i5/i3 / DT Processors, up to 65W
- 2x DDR5 SO-DIMM sockets, Max. 64GB, support ECC
- Intel® processor integrated graphic supports eDP, LVDS and 2x DisplayPort(1.4a) (DP++)
- LAN 1: Intel® I226LM, supports 2.5G and iAMT
LAN 2: Intel® I226V, supports 2.5G only
- 6x USB 3.2, 4x USB 2.0, 2x COM, 4x SATA III
- 1x PCI-E (x16) [Gen.5.0] ; 3x M.2 (E-Key and 2x M-Key)
- Supports watchdog timer, Digital I/O, iAMT(16.1), dTPM (2.0) / fTPM(2.0)

IB200

2.5" Single Board Computer AMD Ryzen™ Embedded R2000 Series

NEW

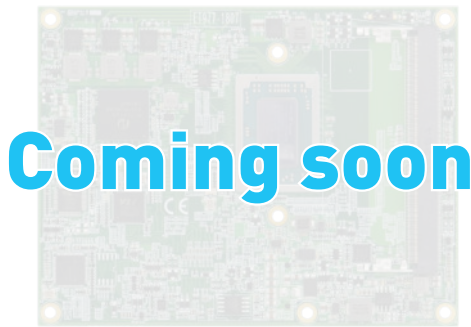


- AMD Ryzen™ Embedded R2000 series APU onboard/ Zen+ up to 4 cores / 8 Threads
- Onboard Memory, DDR4, Max. 8GB
- 2x HDMI 2.0b & LVDS: 5V/3.3V, 24 bit, Dual Channel (LVDS: 1920 x 1200 at 60 Hz)
- 2x Giga Lan / 2x USB 3.2 Gen2 (10Gbps) [With PDPC support] / 3x USB 2.0 (Pin Header) (Add +5V source for Panel)
- 1x M.2 (M-Key, type:2280) & 1x M.2 (E-Key, type: 2230)

ET978

CPU Module AMD Ryzen™ 8000 series (Hawk Point APUs) COM Express Type 6 (R3.0)

NEW

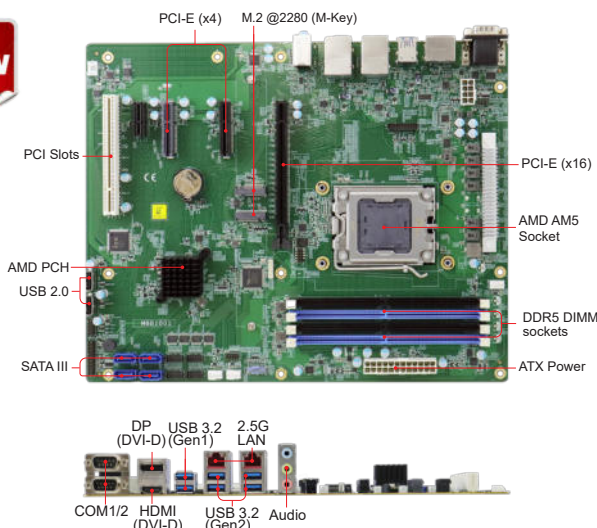


- Onboard AMD Ryzen™ 8000 series (Hawk Point APUs)
- Onboard DDR5 memory, Max. 8GB
- Supports 3x independent displays, HDMI/DVI/DisplayPort & LVDS or eDP via carrier board
- 4x USB 3.1, 8x USB 2.0, 2x SATA III
- Supports TPM (2.0)

MBB1001

ATX Motherboard AMD Ryzen™ Embedded 7000 series ATX Motherboard

NEW



- AMD Ryzen™ Embedded 7000 Processors with B650 chipset
- Dual Channel DDR5 5200, UDIMM 4 slots, Max. up to 128GB Supports ECC
- Triple display DP/HDMI/DVI-D and Dual GbE LAN
- 1x PCI-E x16 support (Gen5) / 1x PCI-E x4 support (Gen5) / 1x PCI-E x4 support (Gen4) / 1x PCI-E x1 support (Gen3) / 1x PCI
- 2x M.2 2280 (PCI-E x2 gen 4, supports NVMe) support RAID 0, 1

SI-663/ SI-663-N

Mid-Range Signage Player

13th/12th Gen Intel® Core™ Processor Fanless Signage Player with Intel® SoC Integrated Graphics and 1x HDMI 2.0/1x DP1.4/1x DVI-D



SI-663



SI-663-N Fanless Design

- iSMART intelligent energy-saving technology - enables power on/off scheduling and power resume functions
- Supports 13th/12th Gen Intel® Core™ processors
- 1x HDMI 2.0 / 1x DP++ 1.4 / 1x DVI-D
- 2x DDR5-4800 SO-DIMM, dual channel, Max. 64GB
- 1x M.2 B-Key (3052) for 5G connectivity
- 1x M.2 E-Key (2230) for WiFi, Bluetooth or capture card options
- TPM 2.0, vPro and watchdog timer
- Industrial-grade robust and compact design

Entry-level Signage Player

SI-212-N

Intel® Atom® x7000 / Pentium® / Celeron® Processors
Fanless Signage Player with 2x HDMI 2.0



- iSMART intelligent energy-saving technology - enables power on/off scheduling and power resume functions
- Intel® Atom® x7000 / Pentium® / Celeron® processors
- 2x HDMI 2.0 with independent audio output
- Built-in CEC and hardware EDID emulation functions with the software setting mode
- 1x DDR5-4800 SO-DIMM, dual channel, Max. 32GB
- 1x M.2 E-key (2230) for WiFi, Bluetooth options
- TPM 2.0, vPro and watchdog timer
- Supports OOB function via I210IT LAN port (option)
- Industrial-grade robust and compact fanless design

In-Vehicle Computer System

MPT-7100V

E-Mark Certified 13th Gen Intel® Core™ Processor
In-Vehicle Computer System with WWAN Redundancy



- Robust M12 & FAKRA connectors with rich I/O interface
- Dual SIM sockets support WWAN redundancy
- Onboard isolated CAN 2.0A / 2.0B / CAN-FD
- Full car battery ignition power control
- Two removable 2.5" device bay for SSD storage
- Rich I/O interfaces for wireless, SSD, GPS, WWAN and add-on card expansion
- Wide-range voltage GPIO interface
- 1x USB Type-C with graphics output for quick setting and diagnostics
- Fanless and ruggedized design

EC3100

Edge Computer

NVIDIA® Jetson ORIN NX/Nano series



- 8-core NVIDIA Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3/6-core Arm® Cortex®-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3
- 1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores / 512-core NVIDIA Ampere architecture GPU with 16 Tensor Cores
- 1x M.2 B-Key 3052 for 5G function
- 1x M.2 B-Key 3042 for OOB function
- 1x M.2 E-Key 2230 for WiFi/BT/GPS function
- 1x M.2 M-Key 2280 (NVMe) 2280: storage
- 1x 240-pin SO-DIMM connector
- 1x Summit connector for PoE Board
- 1x Summit connector for CSI
- 9V~36V DC wide-range power input
- Supports Ubuntu 20.04 OS

ISR500

Edge Computer

MediaTek Genio 700/MT8390 or
MediaTek Genio 510/MT8370 Processors



Preliminary



- MediaTek Genio 700 /MT8390 2.2GHz or MediaTek Genio 510 /MT8370 2.0GHz processor
- Onboard 4GB LPDDR4 with 4000MT/s
- Embedded I/O for COM, GPIO, USB, HDMI, Ethernet
- Supports M.2 E-Key (2230) for WiFi6 2T2R + BT 5.2 connectivity
- Ruggedized and fanless design

ISR300

Edge Computer

NXP ARM® Cortex-A53 i.MX 93 1.7GHz Processor



Coming soon



- NXP i.MX 93 Cortex-A53, 1.7GHz (Industrial Grade)
- 2GB LPDDR4, 32GB eMMC & SD socket for expansion
- External connectivity including USB, USB OTG, Ethernet, COM, CAN-FD, Micro SD
- Supports M.2 E-Key (2230) for WiFi/BT module
- Ruggedized and fanless design

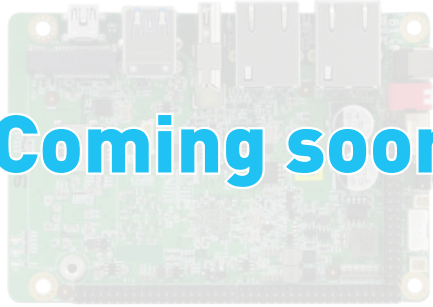
IBR500

3.5" Single Board Computer

Low-Power 3.5" SBC with MediaTek Genio 700/MT8390 or MediaTek Genio 510/MT8370 Processors



Coming soon



- MediaTek Genio 700 /MT8390 2.2GHz or MediaTek Genio 510 / MT8370 2.0GHz processor
- On board LPDDR4 4000MT/s on-board 4GB
- 128GB eMMC 5.1 Flash for O.S.
- HDMI 4K60, HDMI FHD60, MIPI-DSI and eDP
- Embedded I/O for COM, GPIO, USB, Ethernet
- Supports M.2 E-Key (2230) for WiFi6 2T2R + BT 5.2 connectivity
- Supports wide-range operating temperature from $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$
- Ruggedized and fanless design

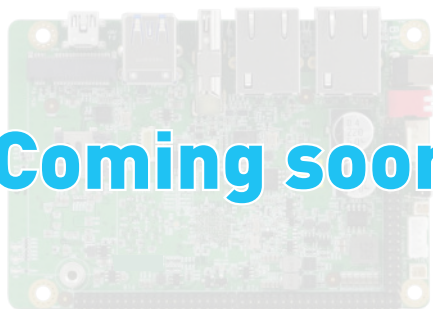
IBR300

2.5" Single Board Computer

Low-Power 2.5" SBC with NXP ARM[®] Cortex-A53 i.MX 93 1.7GHz Processor



Coming soon

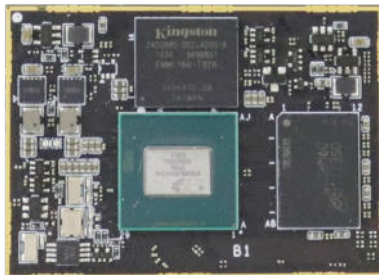


- NXP i.MX 93 Cortex-A53, 1.7GHz (Industrial-Grade)
- 2GB LPDDR4, 32GB eMMC & SD socket for expansion
- External connectivity for USB, USB OTG, Ethernet, COM, CAN-FD, Micro SD
- Supports M.2 E-Key (2230) for WiFi/BT module
- Supports wide-range operating temperature from $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$
- Ruggedized and fanless design

SOM Module

RM-H8MP-S

Wide-Temperature SOM Module with NXP Arm[®] i.MX 8M Plus Quad Cortex[™] -A53 1.6 GHz Processor



- NXP Cortex[™]-A53, i.MX 8M Plus Quad 1.6 GHz processor
- 4GB DDR4, up to 64GB eMMC
- Video decode/encode, up to 1080p/60fps.
- Rich peripheral I/O support
- Low power, no heatsink required
- Supports wide-range operating temperature from $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$

RM-QCS6490-S

SOM Module

Wide-Temperature SOM Module
with Qualcomm QCS6490 Processor



Coming soon



- SOM (System on Module) is integrated with Qualcomm® QCS6490 SoC
- Video: 4K@60FPS video decoding; 4K@30FPS video encoding
- AI Performance: 12.5 TOPS
- Peripheral Interfaces, including GPIO, UART, I²C, I³C, SPI, DSI, USB 3.1, and PCI-E
- Long-term supply with Qualcomm solution
- Supports wide-range operating temperature from -25°C~75°C

RP-107

Carrier Board

Carrier Board for RM-QCS6490-S SOM Module



Coming soon



- Supports HDMI, Gigabit LAN, audio, USB OTG, USB, COM (RS232/422/485)
- 9V~36V DC wide-range power input supports reset, power, Recovery & RTC function
- 1x M.2 B-Key 3052 (USB 3.0, 1x PCI-E[x1]) for 5G connectivity
- 1x M.2 E-Key 2230 (USB 3.0, 1x PCI-E[x1]) for WiFi Module
- 1x M.2 M-Key 2280 (supports 4x PCI-E 3.0) for NVMe
- 1x Summit connector for IDA-8104
- 1x Summit connector for CSI CAM module
- Supports wide-range operating temperature from -25°C~75°C

RP-106

Carrier Board

Carrier Board for NVIDIA® Jetson NX/Nano Modules



Coming soon



- 1x DDR4 SO-DIMM with 260-pin connector for Nvidia Orin NX/ Nano Module
- Supports HDMI, Gigabit LAN, audio, USB OTG, USB, COM (RS232/422/485)
- Supports OOB Function via I210 LAN port (option)
- 9V~36V DC wide-range power input supports reset, power, Recovery & RTC function
- 1x M.2 B-Key 3042 for OOB function
- 1x M.2 B-Key 3052 for 5G connectivity
- 1x M.2 E-Key 2230 for WiFi module
- 1x M.2 M-Key 2280 for NVMe
- 1x Summit connector for IDA-8104
- 1x Summit connector for CSI CAM module

