

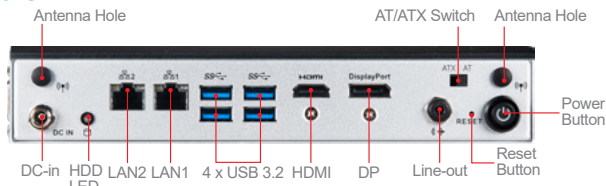
MS-9A77

Din Rail Slim Box PC with Intel® Kaby Lake-U/Skylake-U Series Processor for IoT Edge Solution Computer

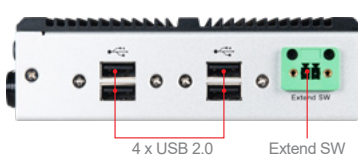
NEW



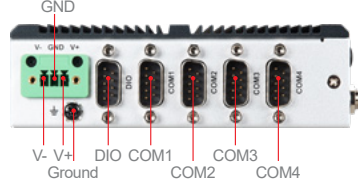
Front IO



Right IO



Left IO



Features

- Intel® 6th Gen SkyLake Lake-U Series
- 1 DDR4 2133 MHz SODIMM Slots up to 16GB
- Dual independent displays: DP, HDMI
- 2 GbE LAN with RJ-45
- 1 Mini-PCIe (Full size, with SIM Holder), 1 Mini-PCIe (Full size, with mSATA) slots
- 4 USB 3.2 Gen 1, 4 USB 2.0, 4 COM(1 RS-485), GPIO, Audio
- Anti-Vibration & Shockproof Design to compliance IEC 61373
- Wide Voltage DC-IN 12~24V
- Ultra-Compact & fanless design with thinness 39.5mm

Ordering Information

Part Number	Description
9S9-9A77-001	MS-9A77709-9A77-010829-9A77-002 VER 11 Egde, Fullsystem, FANLESS, Memory 4G, mSATA 64G, Skylake-U 3955U, DIN-RAIL, 5*JUMPERS, 2*TERMINAL BLOCK, CD, 19V/65W ADAPTER, USA POWER CORD, W/O MSI LOGO SINGLE
9S9-9A77-002	MS-9A77709-9A77-010829-9A77-003 VER 11 Egde, Fullsystem, FANLESS, Memory 4G, mSATA 64G, Skylake-U 3955U, DIN-RAIL, 5*JUMPERS, 2*TERMINAL BLOCK, CD, 19V/65W ADAPTER, EU POWER CORD, W/O MSI LOGO SINGLE

Optional Item

Part Number	Description
S93-0406560-S14	Adaptor 19V/90W
E22-9A97010-LA2	Wall Mounting, 2pc
E43-1065016-P65	Wall Mounting Screw, 4pc
E25-9B01030-K23	Wall Mounting Rubber, 4pc

Specifications

System Processor	CPU	Intel® Skylake-U Celeron® 3955U, DC, 15W
	Frequency	2 GHz
	L2 Cache	2MB
	CPU Type	BGA
	Chipset	N/A
Memory	Technology	Single-channel DDR4 2133 MHz
	Max. Capacity	4G (option up to 16G)
	Socket	1 x 260-pin SO-DIMMs
Display	Controller	Intel® HD Graphics
	Graphic Memory	Depends on CPU
	Multiple Display	2 independent displays
Ethernet	Controller	1 x Intel® I210-AT GbE LAN 1 x Intel® I219-LM GbE LAN PHY
	Display Interface	HDMI 1.4 up to 4096 x 2160 @24Hz DP up to 3840 x 2160 @60Hz
Audio	Controller	Realtek® ALC887-VD2-CG HD Audio Codec
	Watchdog Timer	256-level Watchdog Timer
H/W Monitor	Smart Fan	N/A
	Controller	N/A
TPM	Controller	N/A
	Expansion Slot	2 x Full-size (Mini-PCIe1 Slot w/ NANO SIM-Holder) (Mini-PCIe2 Slot w/ mSATA)
Storage	SATA	N/A
	mSATA	64G (default)
	CFast	N/A
	CompactFlash	N/A
	RJ-45	2
I/O Interface	PoE	N/A
	Audio	1 x Line-out
	USB	4 x USB 2.0 4 x USB 3.2 Gen 1
	Serial	4 x COM ports COM1: RS-232/422/485, 0V/5V/12V COM2~4: RS-232, 0V/5V/12V
	Parallel	N/A
	PS/2	N/A
	GPIO	8-bit (4*GPI; 4*GPO), 5V
	CANbus	N/A
	HDMI	1
	LVDS	N/A
DVI	N/A	
DisplayPort	1	
VGA	N/A	
Power Supply	Antenna	4 opening reserved antennas
	DC Input	DC-in 12-24V Jack (5.5mm/2.5mm) / Phoenix pluggable with latch (Option support OCP/OVP Protection)
	AC Input	N/A
Environment	IP Rating	N/A
	Operating Temperature	-10~45°C (W/ mSATA) -10~50°C (W/ WT mSATA)
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
	Storage Humidity	10 ~ 90%, non-condensing
	Vibration	IEC61373 Category 1, Class A
Form Factor	Shock	IEC61373 Category 1, Class A
	Dimensions (W x D x H)	210 x 130 x 39.5mm
	Weight	1.22 kg
Certification	Mounting	DIN-rail mount(STD)/Wall mount (by BOM option)/VESA mount(by BOM option)
	EMC	FCC Class A, CE, RCM, VCCI, BSMI
Software Platform	Safety	BSMI
	OS Support	Windows 7 (32/64-bit) Windows 10 IoT Enterprise LTSC/SAC 1809 (64-bit, RS5) Linux Fedora 25 (by request) Linux Ubuntu 16.04 (by request)

Packing List

Part Number	Description	Quantity
S93-0406560-S14	Adaptor 19V/90W	1
E22-9A97010-LA2	Wall Mounting, 2pc	1
E43-1065016-P65	Wall Mounting Screw, 4pc	1
E25-9B01030-K23	Wall Mounting Rubber, 4pc	1
S93-0406560-S14	Adaptor 19V/90W	2
E22-9A97010-LA2	Wall Mounting, 2pc	1
E43-1065016-P65	Wall Mounting Screw, 4pc	1
E25-9B01030-K23	Wall Mounting Rubber, 4pc	5
E25-9B01030-K23	Wall Mounting Rubber, 4pc	1