

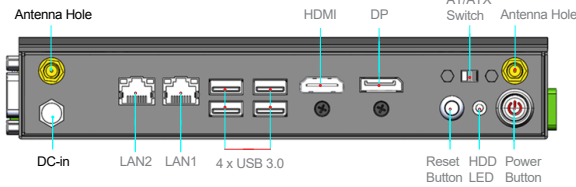
MS-9A77

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

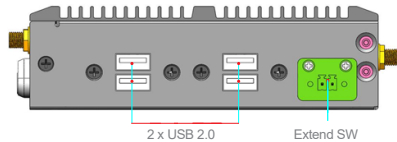
NEW



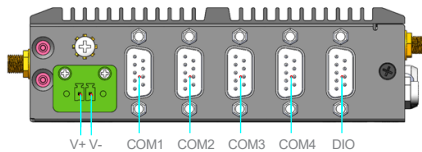
Front IO



Right IO



Left IO



Features

- Slim and fanless system design with 40mm thinness
- Support 4G DDR4 2133MHz SO-DIMM Memory and 64G mSATA storage
- 1 x DP, 1 x HDMI, 2 x GbE LAN, 4 x USB 3.0, 4 x USB 2.0 and 4 x COM
- Dual Mini-PCIe slots for mSATA, WIFI, 3G/4G
- Support ATX/AT Switch, reset button, Power/HDD LED
- Support DC in 12V~24V with DC Jack & 2-pin Phoenix
- 4 openings reserved for antennas
- Optional Support COM isolation and Power OCP/OVP

Ordering Information

Part Number	Description
Coming soon	

Packing List

Part Number	Description
Coming soon	

Specifications

Processor	CPU	Intel® Skylake-U Celeron® 3955U, DC, 15W
	Frequency	2.0GHz
	L2 Cache	2MB
	CPU Type	BGA
	Chipset	N/A
Memory	BIOS	AMI
	Technology	Single channel for DDR4 2133 MHz
	Max. Capacity	4G (option up to 16G)
Display	Socket	1 x 260-pin SO-DIMMs
	Controller	Intel® HD Graphics
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM
	Multiple Display	2 independent displays
Ethernet	Display Interface	HDMI1.4 up to 4096 x 2160 @24Hz DP up to 3840 x 2160 @60Hz
	Controller	1 x Intel® I210-AT GbE LAN 1 x Intel® I219-LM GbE LAN PHY
Audio	Controller	Realtek® ALC887-VD2-CG HD Audio Codec
H/W Monitor	Watchdog Timer	256-level Watchdog Timer
	Smart Fan	N/A
TPM	Controller	N/A
Expansion Slot	Mini-PCIe	1 x Full-size (w/ NANO SIM-Holder) 1 x Full-size (Shared w/ mSATA)
	Storage	SATA
I/O Interface	mSATA	64G
	CFast	N/A
	CompactFlash	N/A
	RJ-45	2
Power Supply	Audio	N/A
	USB	4 x USB3.0 4 x USB2.0
	Serial	4 x COM ports COM1: RS-232/422/485 COM2~4: RS-232, 0V/5V/12V (option supports 2 x RS-422& 2x RS-485 port-to-computer isolation, complies with IEC 60950-1:2005 + A1: 2009 + A2:2013 2.5kV HiPOT protection)
	GPIO	8-bit (4*GPI; 4*GPO), 5V
	CANbus	N/A
	HDMI	1
	LVDS	N/A
	DVI	N/A
	DisplayPort	1
	VGA	N/A
	Antenna	4 (opening reserved 2 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	Operating Temperature	-10~45°C (W/ mSATA)
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
	Storage Humidity	10 ~ 90%, non-condensing
	Vibration	Operating: IEC 60068-2-64: 2 Grms, 5 ~ 500 Hz, 1hr/axis (w/ SSD)
Form Factor	Shock	Operating: IEC 60068-2-27: 50G, half sine, 11ms (w/ SSD)
	Dimensions (WxDxH)	210 x 130 x 40mm
	Weight	TBD
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	N/A
	OS Support	Windows 10 (64-bit) Linux Fedora 25 (by request) Linux Ubuntu 16.04 (by request)

Semi-rugged Terminal
POS System
Panel PC
Embedded System
Embedded Board
COM Express Board
Oseven Board
Pico-ITX Board
3.5" Board
EPIC Board
PICMG 1.0 Board
Mini-ITX Board
Micro-ATX Board
ATX Board
Mini-PCIe Module