

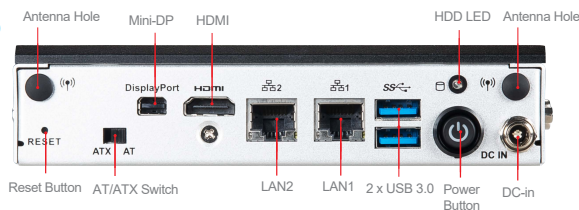
MS-9A97

Din Rail Slim Box PC with Intel® Apollo Lake Series SoC Platform for IoT Edge Solution

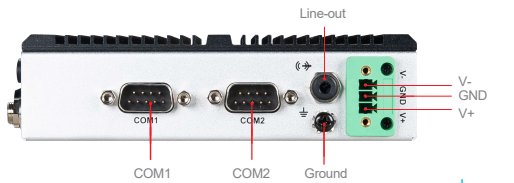
NEW



Front IO



Right IO



Left IO



Features

- Slim and fanless system design with 35mm thickness
- Supports onboard 4GB LPDDR4-2400MHz memory & 64G mSATA storage (default)
- I/O ports: 1 x Mini-DP, 1 x HDMI, 2 x GbE LAN, 2 x USB3.0, 2 x USB2.0 & 2 x COM
- Support Dual Mini-PCIe slots for mSATA, WIFI & 3G/4G
- Support ATX/AT Switch, reset button & Power/HDD LED
- Support DC in 12V with DC Jack & 3-pin Phoenix
- 4 openings reserved for antennas
- Optional support COM isolation & Power OCP/OVP

Ordering Information

Part Number	Description
Coming soon	

Packing List

Part Number	Description
Coming soon	

Specifications

Processor	CPU	Intel® Atom™ x5 Processor E3940, QC, 9.5W
	Frequency	1.6 GHz up to 1.8 GHz
	L2 Cache	2MB
	CPU Type	BGA
	Chipset	N/A
Memory	Technology	Dual-channel LPDDR4-2400MHz
	Max. Capacity	Onboard 4 GB
Display	Socket	N/A
	Controller	Intel® HD Graphics
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM
	Multiple Display	2 independent displays
Display Interface	HDMI	HDMI up to 3840 x 2160 @30 Hz
	Mini-DP	Mini-DP up to 4096 x 2160 @60 Hz
Ethernet	Controller	2 x Intel® I211-AT GbE LAN
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 Half-size (Shared w/ mSATA)
	SATA	N/A
Storage	mSATA	64G (default)
	CFast	N/A
	CompactFlash	N/A
	RJ-45	2
I/O Interface	Audio	1 x Line-out
	USB	2 x USB 3.0 2 x USB 2.0
	Serial	2 x COM ports COM1: RS-232/422/485, 0V/5V/12V COM2: RS-232/422/485, 0V/5V/12V
	GPIO	8-bit (4*GPI; 4*GPO), 5V
	CANbus	N/A
	HDMI	1
	LVDS	N/A
	DVI	N/A
	DisplayPort	1 (Mini-DP)
	VGA	N/A
Power Supply	DC Input	DC-in 12V Jack (5.5mm/2.5mm) / Phoenix pluggable with latch (Option support OCP/OVP Protection)
	AC Input	N/A
Environment	Operating Temperature	-10~50°C (W/ mSATA) -10~60°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 (WxDxH)	153 x 130 x 35mm
	Weight	0.841 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	N/A
	OS Support	Windows 10 (64-bit) Linux Fedora 25 (by request) Linux Ubuntu 16.04 (by request)