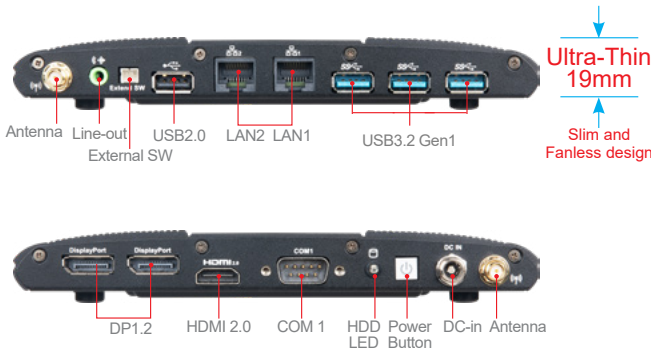


MS-9A85

Ultra-Slim & Featherweight Fanless Box PC with Intel® Apollo Lake Platform, Low-Power for Digital Signage

NEW



Features

- 1 x SO-DIMM, DDR3L 1600/1866 MHz, up to 8GB
- 3 independent displays: 2 x DP 1.2, 1 x HDMI 2.0
- Dual Intel® GbE LAN
- 4 USB ports (1 x USB 2.0, 3 x USB 3.2 Gen 1) & 1 COM port
- Mini-PCIe slots for 3G/4G & M.2 E key slot for WiFi
- 1 x SATA port (2.5" SDD/HDD, 7mm), 1 x M.2 M key slot & lockable DC Jack
- Easy maintain all on bottom side for 1 x Memory, 1 x Mini-PCIe, SIM Card Slot, 2 x M.2 slots, 2.5"HDD
- Ultra-slim and low power fanless design with 19mm thinness
- Cableless design with proprietary board

Ordering Information

Part Number	Description
Coming Soon	

Packing List

Part Number	Description
Coming Soon	

Optional Item

Part Number	Description
Coming Soon	

Specifications

System Processor	CPU	Intel® Celeron® Processor J3455, QC, 10W
	Frequency	1.5 GHz, up to 2.3 GHz
	L2 Cache	2MB
	CPU Type	BGA
	Chipset	Integrated
	BIOS	AMI
Memory	Technology	Single-Channel DDR3L 1600/1866 MHz
	Max. Capacity	Up to 8 GB
	Socket	1 x 204-pin SO-DIMM
Display	Controller	Intel® HD Graphics
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM
	Multiple Display	3 independent displays
	Display Interface	HDMI 2.0 up to 3840 x 2160 @60Hz DP 1.2 up to 4096 x 2160 @60Hz (Resolution combination depends on various application)
Ethernet	Controller	2 x Intel® I211-AT GbE LAN
Audio	Controller	Realtek® ALC887/888S HD Audio Codec
H/W Monitor	Watchdog Timer	256-level Watchdog Timer
	Smart Fan	N/A
TPM	Controller	Infineon SLB9665TT2.0 (by BOM option)
Expansion Slot	M.2	1 x E key (PCIe x2, USB 2.0), 2230 1 x M key (SATA only), 2280
	Mini-PCIe	1 x Full-size (with SIM holder)
Storage	SATA	1 x 2.5" HDD/SSD
	mSATA	N/A
I/O Interface	RJ-45	2
	Audio	1 x Line-out (Mic-in by AP driver)
	USB	1 x USB 2.0 3 x USB 3.2 Gen 1
	Serial	1 x COM port COM1: RS-232/422/485, 0V/5V/12V
	Parallel	N/A
	PS/2	N/A
	GPIO	N/A
	CANbus	N/A
	HDMI	1
	LVDS	N/A
	DVI	N/A
	DisplayPort	2
VGA	N/A	
Antenna	2 openings reserved for antennas	
Power Supply	DC Input	DC-in 19V with Lockable DC Jack
	AC Input	N/A
	IP Rating	N/A
Environment	Operating Temperature	-10 ~ 50°C (SSD) 0 ~ 40°C (HDD/WT M.2 M key)
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
	Storage Humidity	10 ~ 90%, non-condensing
	Vibration	Operating, 0.25 Grms, 5-300Hz, 3axes (w/ HDD)
	Shock	Operating, 3 G, half sine 11 ms duration (w/ HDD)
Form Factor	Dimensions (W x D x H)	180 x 255 x 19mm
	Weight	1.13 kg
	Mounting	VESA mount
Certification	EMC	FCC, CE, RCM, VCCI, BSMI
	Safety	BSMI, Energy Star
Software Platform	OS Support	Windows 10 IoT Enterprise LTSC/SAC 1809 (64-bit, RS5) Linux Fedora 25 (by request) Linux Ubuntu 16.04 (by request)