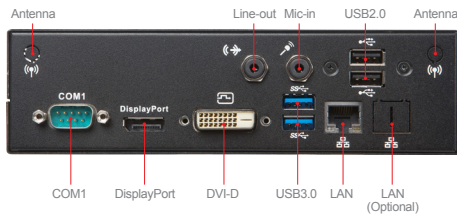


MS-9A88

Industrial Fanless Box PC with Intel® Braswell Platform for Ultra Low-Power Solution

NEW



Features

- Ultra low power with fanless design
- Supports Intel® Atom™ Braswell Series SoC processor
- Supports DDR3L 1333/1600 MHz SO-DIMM memory up to 8GB
- Supports 2 independent displays with DP and DVI-D
- Supports 1 Realtek® GbE LAN, 2 x USB 3.0, 2 x USB 2.0 and 4 COM ports
- Supports DC-in 12V input

Ordering Information

Part Number	Description
Coming soon	

Packing List

Part Number	Description
Coming soon	

Specifications

System Processor	CPU	Intel® Pentium® Processor N3710, QC, 6W
	Frequency	1.60 GHz, up to 2.56 GHz
	L2 Cache	2MB
	CPU Type	BGA
	Chipset	Integrated
Memory	Technology	Dual-channel DDR3L 1333/1600 MHz
	Max. Capacity	up to 8GB
	Socket	1 x 204-pin SO-DIMMs (2 for optional)
Graphic	Controller	Intel® HD Graphics
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM
	Multiple Display	2 independent displays
Ethernet	Controller	1 x Realtek® RTL8111G-CG GbE LAN (2 for optional)
	Audio	Realtek® ALC887 co-layer ALC888S
H/W Monitor	Watchdog Timer	256-level Watchdog Timer
	Smart Fan	N/A
TPM	Controller	Pin header (default) Infineon SLB9635TT 1.2 (optional)
Expansion Slot	Mini-PCIe	1 x Full-size (support Half-size, w/ mSATA)
Storage	SATA	1 x 2.5" HDD/SSD
	mSATA	1
I/O Interface	RJ-45	1 (2 for optional)
	Audio	1 x Line-out 1 x Mic-in
	USB	2 x USB 3.0 2 x USB 2.0
	Serial	4 x COM ports COM1: RS-232/422/485, 0V/5V/12V COM2-4: RS-232, w/o power
	HDMI	N/A
	LVDS	N/A
	DVI	1 (DVI-D)
	DisplayPort	1
	VGA	N/A
	Antenna	1 (opening reserved for 2nd antenna)
Power Supply	DC Input	DC-in 12V
	AC Input	N/A
Environment	Operating Temperature	-10 ~ 40°C
	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)
Physical characteristics	Shock	Operating, 3 G, half sine 11 ms duration (w/ HDD)
	Dimensions	180mm x 183mm x 49mm
Certification	Weight	1.05 kg
	Mounting	Wall mount
	EMC	FCC, CE, C-Tick, VCCI, BSMI
Software Platform	Safety	CB
	OS Support	Windows 7 (32/64-Bit) Windows 8.1 (64-Bit) Windows 10 (32/64-Bit) Linux Ubuntu 14.04.05 & Fedora 23(kernel 4.1)