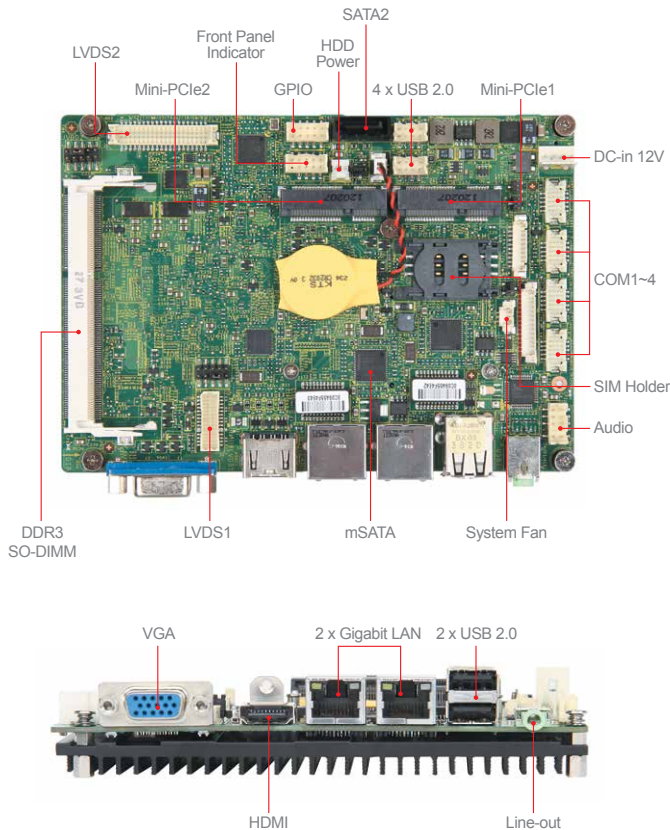


MS-9896 V1.0

Intel® Embedded Atom™ Cedar Trail 3.5" Fanless Solution for Low Power and High Performance



Features

- Support Intel® D2550/N2800/N2600 Dual Core CPU to maximize performance
- Support DDR3 1066MHz SO-DIMM memory up to 4GB
- Support HDMI, VGA, dual LVDS, and dual Intel® GbE LAN
- Dual Mini-PCIe, SATA 2.0, mSATA, 4 COM, and 6 USB 2.0
- Support DC-in 12V power source

Ordering Information

Part Number	Description
919-9896-001	MS-9896 VER 10 3.5inch M/B ATOM D2550 + NM10, 1*DDR3 SO-DIMM, 1*VGA, 1*HDMI, 2*LVDS, 1*SATA2, 1*mSATA, 2*MINI-PCI-E, 2*GbE LAN
919-9896-002	MS-9896 VER 10 OPT A 3.5inch M/B ATOM N2800 + NM10, 1*DDR3 SO-DIMM, 1*VGA, 1*HDMI, 2*LVDS, 1*SATA2, 1*mSATA, 2*MINI-PCI-E, 2*GbE LAN
919-9896-003	MS-9896 VER 10 OPT B 3.5inch M/B ATOM N2600 + NM10, 1*DDR3 SO-DIMM, 1*VGA, 1*HDMI, 2*LVDS, 1*SATA2, 1*mSATA, 2*MINI-PCI-E, 2*GbE LAN

Packing List

Part Number	Description	Quantity
K10-3002145-V03	DC power Cable	1
K1D-1010013-V03	SATA Cable with Power	1
G71-SEDC074-J24	Driver DVD	1

Specifications

Processor	CPU	Intel® Atom™ Processor D2550/N2800/N2600, Dual Core
	Frequency	1.86GHz (Dual Core; for D2550/N2800) 1.6GHz (Dual Core; for N2600)
	L2 Cache	1MB
	CPU Type	BGA
	Chipset	Intel® NM10 Express
Memory	BIOS	AMI 32Mbit SPI
	Technology	Single-channel DDR3 1066MHz (DDR3 800MHz for N2600)
	Max. Capacity	Up to 4GB
Display	Socket	1 x 204-pin SO-DIMM
	Controller	Intel® GMA3650 Graphics
	Graphic Memory	Shared system memory up to 759 MB SDRAM
	LVDS	2 x LVDS (LVDS1/LVDS2) LVDS1: single-channel 24-bit (for D2550); single-channel 18-bit (for N2800/N2600) LVDS2: dual-channel 24-bit (add chrontel 7511B chipset)
	VGA	1
Ethernet	HDMI	1
	Multiple Display	2 independent displays
	Display Mode	LVDS1 up to 1440 x 900 (for D2550); up to 1366 x 768 (for N2800/N2600) LVDS2 up to 1920 x 1200 VGA up to 1920 x 1200 HDMI up to 1920 x 1200
Audio	Controller	2 x Intel® 82583V GbE LAN
Audio	Controller	Realtek® ALC887 HD Audio Codec
Super I/O	Controller	Fintek F81866
H/W Monitor	Watchdog Timer	256-level Watchdog Timer
	Smart Fan	Yes
I/O Interface	USB	6 x USB 2.0 (2 x rear; 4 x internal)
	Serial	4 x COM (internal) COM1: RS-232/422/485, 0V/5V/12V COM2~4: RS-232, 0V/5V/12V
	PS/2	N/A
	GPIO	8-bits (4 x GPI; 4 x GPO), 5V
Expansion Slot	Mini-PCIe	2 x Full-size (one with SIM holder)
Storage	SATA	1 x SATA 2.0
	mSATA	1
Power Supply	DC	DC-in 12V
	ATX	N/A
Environment	Operating Temperature	0 ~ 60°C
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
	Storage Humidity	10 ~ 90%, non-condensing
Form Factor	Dimensions	146mm x 102mm (3.5")
	Weight	0.28 kg
Certification	EMC	FCC, CE, C-Tick, VCCI, BSMI