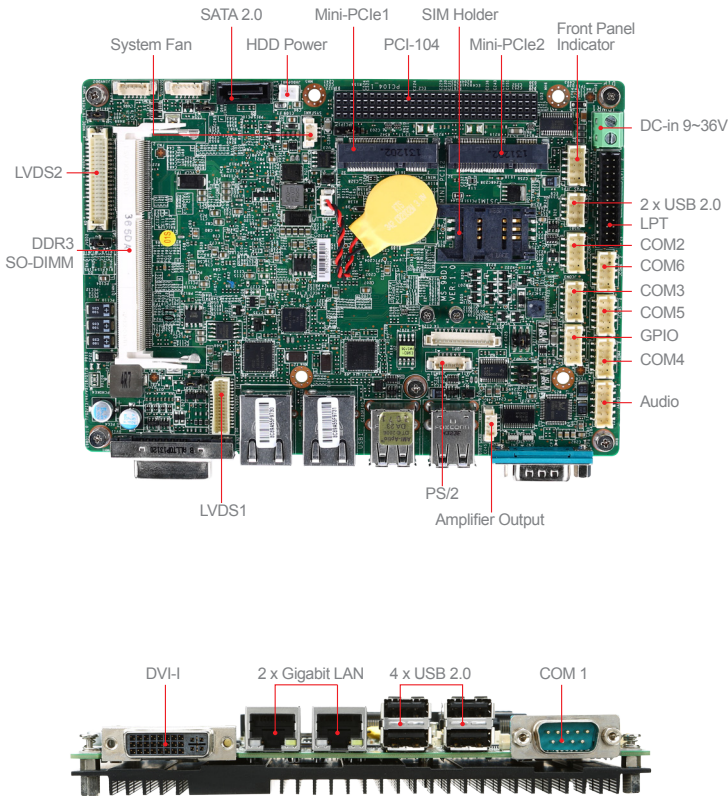


MS-98D1

Intel® Embedded Atom™ Cedar Trail Platform in EPIC Size for Low Power Fanless Solution



Features

- Intel® D2550/N2800/N2600 Dual Core processor
- Support DDR3 1066MHz SO-DIMM memory up to 4GB
- 2 independent displays with VGA, DVI, and dual LVDS outputs
- Support dual Intel® GbE LAN and dual Mini-PCIe
- Support SATA 2.0, mSATA, 6 COM, 6 USB 2.0
- Wide input voltage: 9~36 VDC

Ordering Information

Part Number	Description
919-98D1-001	Cedarview D2550 1.86G CPU + NM10, 1*PCI-104, 2*LVDS, 1*VGA, 1*SATA, 1*MSATA, 2*MINI-PCI
919-98D1-002	Cedarview N2800 1.86G CPU + NM10, 1*PCI-104, 2*LVDS, 1*VGA, 1*SATA, 1*MSATA, 2*MINI-PCI
919-98D1-003	Cedarview N2600 1.60G CPU + NM10, 1*PCI-104, 2*LVDS, 1*VGA, 1*SATA, 1*MSATA, 2*MINI-PCI

Packing List

Part Number	Description
K1D-3010001-V03	SATA cable with Power, 150mm
K14-1009062-V03	COM port cable, 250mm
K1G-3002013-V03	DC JACK Power Cable, 120mm

Specifications

Processor	CPU	Intel® Atom™ Processor D2550/N2800/N2600, Dual Core
	Frequency	1.86 GHz (Dual Core, for D2550/N2800) 1.6 GHz (Dual Core, for N2600)
	L2 Cache	1MB
	CPU Type	BGA
	Chipset	Intel® NM10 Express
Memory	BIOS	AMI
	Technology	Single-channel DDR3 1066MHz (DDR3 800MHz for N2600)
	Max. Capacity	Up to 4GB (for D2550/N2800) Up to 2GB (for N2600)
Memory	Socket	1 x 204-pin SO-DIMM
	Controller	Intel® GMA3650 Graphics
Display	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 chronlet 7511B chipset)
	DVI	Yes (DVI-I)
	Multiple Display	2 independent displays
	Display Interface	LVDS1 up to 1440 x 900 (for D2550); up to 1366 x 768 (for N2800/N2600) LVDS2 up to 1366 x 768 DVI-I up to 1920 x 1200
Ethernet	Controller	2 x Intel® I210-AT 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 (4 x rear; 2 x internal)
	Serial	6 x COM (COM1: rear; COM2~6: internal) COM1: RS-232/422/485, 0V/5V/12V COM2~6: RS-232, 0V/5V/12V
	Parallel	1
	PS/2	1 (pin header)
	GPIO	8-bits (4 x GPI; 4 x GPO), 5V
	PCI	*
Expansion Slot	Mini-PCIe	2 x Full-size (one w/ SIM holder; one w/ mSATA)
	SATA	1 x SATA 2.0
Storage	mSATA	1
	DC	DC-in 9-36V Wide-Range
Power Supply	ATX	N/A
	Operating Temperature	-10 ~ 60°C
Environment	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
	Storage Humidity	10 ~ 90%, non-condensing
	Dimensions	165mm x 115mm (EPIC)
Form Factor	Weight	0.37 kg
	EMC	FCC, CE, C-Tick, VCCI, BSMI
Certification		* 1 x PCI-104

HMI Panel PC
Embedded System Board
Embedded CPU Board
Semi-rugged Terminal Board
POS System Board
COM Express Board
Qseven Board
Pico-ITX Board
3.5" Board
EPIC Board
PICMG 1.0 Board
Mini-ITX Board
Micro-ATX Board
ATX Board