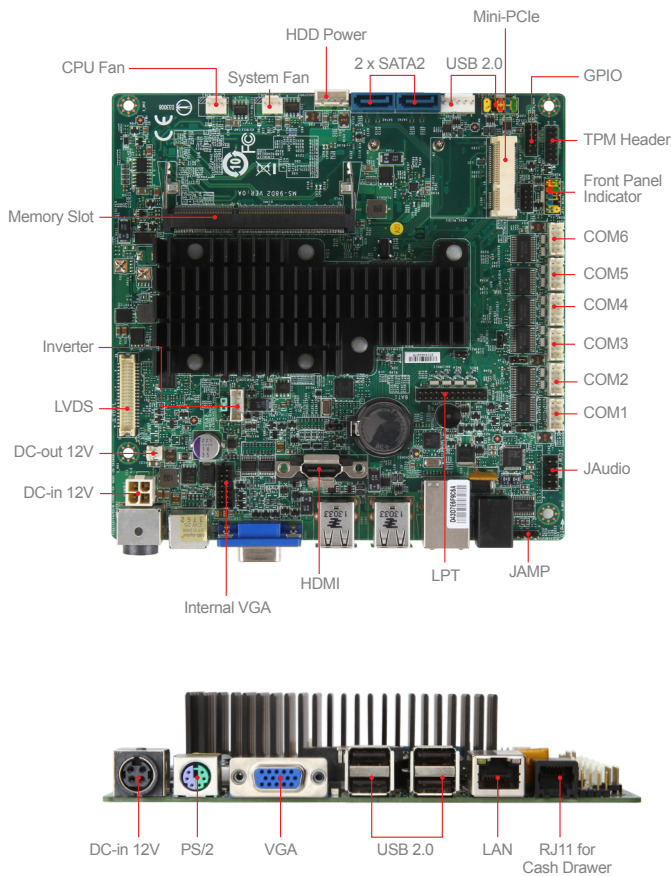




Features

- Standard thin Mini-ITX form factor (low-profile)
- COM1 to COM4 support power selection by BIOS (more user friendly without the need to remove chassis)
- Multiple video outputs: VGA, LVDS, and internal VGA
- Support DC 12V out for second monitor (for POS application)
- Lockable DC-in 12V (Mini-DIM type power jack)
- Support cash drawer with RJ11 (for POS application)

Ordering Information

Part Number	Description
919-98D2-001	MS-98D2/MS-98D2/609-98D2-010/809-98D2-001/MS-98D2 VER 11 STANDARD FOR SHIPPING SINGLE

Packing List

Part Number	Description
K14-1018003-V03	COM PORT CABLE, 300mm
K1D-3008006-V03	SATA CABLE, POWER, 200/300mm
K1D-1008055-E06	SATA CABLE, 500mm
E21-98D2010-C22	IO SHIELD FOR MS-98D2

Specifications

Processor	CPU	Intel® Atom™ Processor D2550, Dual Core
	Frequency	1.86 GHz
	L2 Cache	1 MB
	CPU Type	BGA
Memory	Chipset	Intel® NM10 Express
	BIOS	AMI
	Technology	Single-channel DDR3 1067MHz
	Max. Capacity	Up to 4 GB
Display	Socket	1 x 204-pin SO-DIMM
	Controller	Intel® HD Graphics
	Graphic Memory	Shared system memory up to 759 MB SDRAM
	LVDS	Single channel 18/24-bit
Ethernet	VGA	1 x rear I/O; 1 x internal
	HDMI	1 (internal vertical type)
	Multiple Display	2 independent displays
	Display Interface	VGA up to 1920 x 1200 LVDS up to 1440 x 900
Audio	Controller	1 x Realtek® RTL8111-E-VL-CG GbE LAN
Super I/O	Controller	Realtek® ALC887 HD Audio Codec
H/W Monitor	Watchdog Timer	Fintek F81866AD-I
TPM	Controller	256-level Watchdog Timer
I/O Interface	USB	Pin header
	Serial	7 x USB 2.0 (4 x rear; 3 x internal)
	Parallel	6 x COM (internal) COM1: RS-232/422/485, 0V/5V/12V COM2~4: RS-232, 0V/5V/12V (selected by BIOS) COM5~6: RS-232, without power (COM1 & COM2 support WOR)
	PS/2	COM5~6: RS-232, without power (COM1 & COM2 support WOR)
Expansion Slot	Mini-PCle	1
Storage	SATA	1 x Full-size
Power Supply	DC	2 x SATA 2.0
	ATX	DC-in 12V DC-out 12V-2P
Environment	Operating Temperature	N/A
	Operating Humidity	0 ~ 60°C
	Storage Temperature	10 ~ 90%, non-condensing
	Storage Humidity	-20 ~ 80°C
Form Factor	Dimensions	10 ~ 90%, non-condensing
	Weight	170mm x 170mm (Mini-ITX)
Certification	EMC	0.42Kg
		FCC, CE, C-Tick, VCCI, BSMI