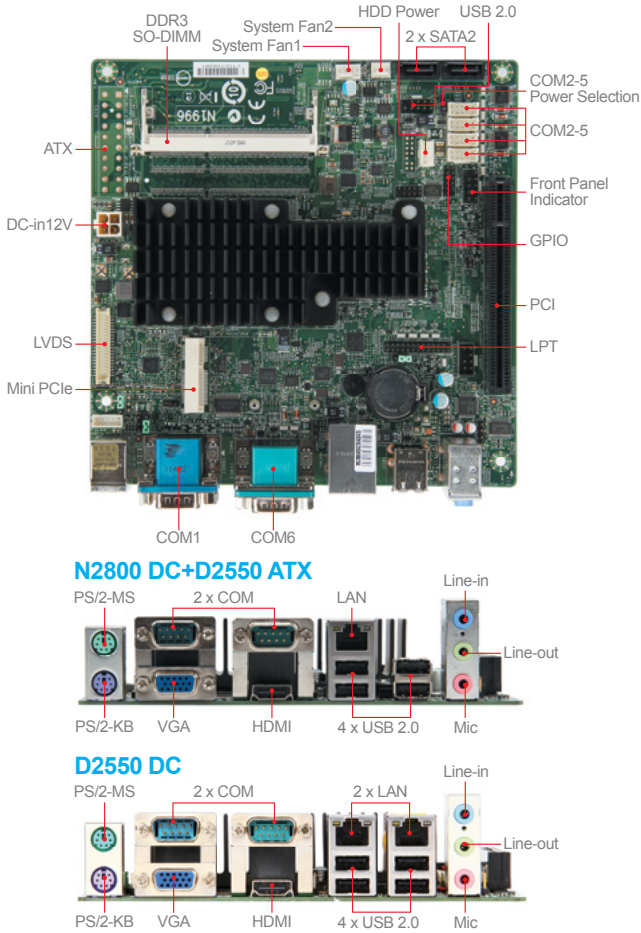


MS-9893

Mini-ITX with Intel® Atom™ Cedar Tail for High-Performance and Low-Power Solutions



Features

- Intel® Atom™ D2550 Dual Core CPU to maximize performance
- Supports DDR3 SO-DIMM up to 1066MHz
- One Mini-PCIe with mSATA storage function supported
- 2 independent displays with VGA/HDMI/LVDS
- Optional DC/ATX power input by BOM

Ordering Information

Part Number	Description
919-9893-007	MS-9893 12 OPT: G D2550+2*DDR3 DIMM+1*PCI+2* SATA 2.0+1*HDMI+1*VGA+6*USB 2.0+6*COM+1*Mini PCIE+1*Gbe LAN+ATX Power
919-9893-008	MS-9893 12 OPT: H D2550+2*DDR3 DIMM+1*PCI+2* SATA 2.0+1*HDMI+1*VGA+6*USB 2.0+6*COM+1*Mini PCIE+2*Gbe LAN+DC Power
919-9893-009	MS-9893 12 OPT: I N2800+2*DDR3 DIMM+1*PCI+2* SATA 2.0+1*HDMI+1*VGA+6*USB 2.0+6*COM+1*Mini PCIE+1*Gbe LAN+DC Power

Packing List

809-9893-003		
Part Number	Description	Quantity
K1D-1012033-V03	INT SATA CABLE, 150mm	1
E21-9893010-C22	I/O SHIELDING	1
K10-3004215-V03	INT OTHER CABLE,ROUND/4/160mm	1
K14-1018003-V03	INT COM PORT CABLE, 300mm	1

809-9893-004		
Part Number	Description	Quantity
K1D-1008055-E06	INT SATA CABLE, SIGNAL, 500mm	1
K1D-1008269-V03	INT SATA CABLE, 500mm	1
K14-1018003-V03	INT COM PORT CABLE, 300mm	1
E21-9893010-C22	I/O SHIELDING	1

Specifications

Processor	CPU	Intel® Atom™ Processor D2550, DC, 10W Intel® Atom™ Processor N2800, DC, 6.5W
	Frequency	D2550, 1.86 GHz N2800, 1.86 GHz
	L2 Cache	1 MB
	CPU Type	BGA
	Chipset	Intel® NM10 Express
Memory	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
	VGA	1 x rear I/O
	HDMI	1
Ethernet	Multiple Display	2 independent displays
	Display Interface	VGA up to 1920 x 1200 LVDS up to 1440 x 900 HDMI up to 1920 x 1200
Ethernet	Controller	2 x Realtek® RTL8111-E-VL-CG GbE LAN
Audio	Controller	Realtek® ALC887 HD Audio Codec
Super I/O	Controller	Fintek F81865-I
H/W Monitor	Watchdog Timer	256-level Watchdog Timer
TPM	Controller	Pin header
I/O Interface	USB	6 x USB 2.0 (2 x internal, 4 x rear I/O)
	Serial	6 x COM (COM1&6: rear; COM2-5: internal) COM1: RS-232/422/485, 0V/5V/12V, with WOR function COM2-5: RS-232 pin header, 0V/5V/12V COM6: RS-232, 0V/5V/12V
	Parallel	1
	PS/2	1
	GPIO	8-bits (4 x GPI; 4 x GPO), 5V
	PCI	1
	M.2	N/A
Expansion Slot	Mini-PCIe	1 x Full-size, mSATA
Storage	SATA	2 x SATA 2.0
	mSATA	1
Power Supply	DC	DC-in 12V for D2550/N2800 SKU
	ATX	ATX-Power 20P for D2550 SKU only
Environment	Operating Temperature	0 ~ 60°C
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
Form Factor	Storage Humidity	10 ~ 90%, non-condensing
	Dimensions	170mm x 170mm (Mini-ITX)
	Weight	0.42 kg
Certification	EMC	FCC, CE, RCM, VCCI, BSMI
Software Platform	OS Support	Windows XP (32-bit) Windows 7 (32-bit)

809-9893-005		
Part Number	Description	Quantity
E21-9893020-C22	I/O SHIELDING FOR MS-9893	1
K10-3004215-V03	INT OTHER CABLE,ROUND/4/160mm	1
K14-1018003-V03	INT COM PORT CABLE, 300mm	1
K1D-1012033-V03	INT SATA CABLE, 150mm	1

MMI
Panel PC
Embedded System Board
Semi-rugged Terminal
POS System Board
COM Express Board
Qseven Board
Pico-ITX Board
3.5" Board
EPIC Board
PICO-M.1 0 Board
Mini-ITX Board
Micro-ATX Board
ATX Board