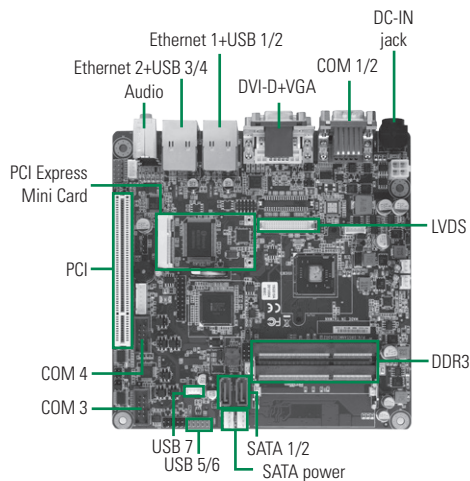


MANO831

Intel® Atom™ D2550 Mini ITX SBC with Intel® NM10 Chipset, VGA/DVI-D/LVDS, Dual LANs and HD Audio



System

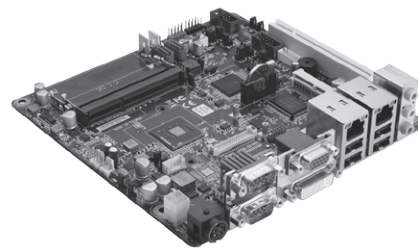
CPU	Intel® Atom™ processor D2550 onboard
System Memory	2 x 204-pin SO-DIMM, support DDR3-1066 max. up to 4 GB
Chipset	Intel® NM10 PCH
BIOS	AMI 16Mb flash ROM
SSD	N/A
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCI 1 x mini PCIe
Battery	Lithium 3V/220 mAh
Power Requirements	TBD
Size	170 x 170 mm
Board Thickness	1.6 mm
Temperature	0° ~ +60°C (32°F ~ 140°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	2 x RS-232 (COM 1 ~ 2) 2 x RS-232/422/485 (COM 3 ~ 4)
SATA	2 x SATA-300
Hardware Monitoring	Detect CPU/system temperature, voltage and support Smart fan control
Ethernet	2 x Realtek RTL8111E for Gigabit LAN
Audio	HD Codec audio as MIC-in/Line-in/Line-out speaker-out with Realtek ALC892
USB	7 x USB 2.0
SMBus	N/A
Digital I/O	8 Channels (4-IN & 4-OUT)
TPM	Infineon TPM1.2 SLB9635

Features

- Intel® Atom™ processor D2550 onboard
- 2 DDR3-1066 MHz max. up to 4 GB
- Dual view display via DVI-D/VGA/LVDS
- PCI/Mini PCIe expansion slot
- 2 SATA-300 supported
- 7 USB 2.0 supported
- TPM 1.2 supported



▲ Side view

Display

Chipset	Intel® Graphics Media Accelerator (GMA) 3650
Memory Size	Share memory
Display interface	1 x VGA 1 x DVI-D 1 x LVDS

Packing List

User's manual/utility CD, cable

Ordering Information

Standard	
MANO831	Mini ITX SBC with Intel® Atom™ D2550, VGA/DVI-D/LVDS, 2 10/100/1000Mbps Ethernet, 4 COM, 7 USB and HD audio

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CPU
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Accessories

Appendix

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Axiomtek:](#)

[MANO831VDGGA-D2550](#)