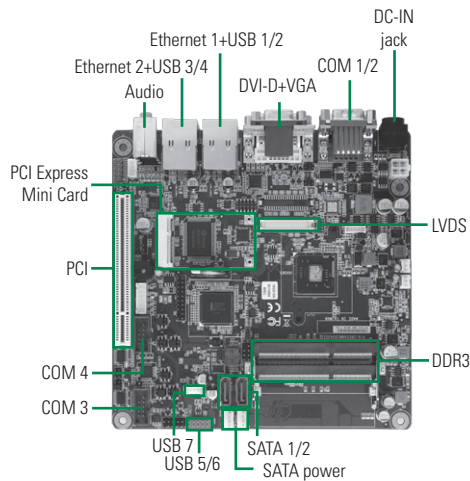


# MANO831

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



## System

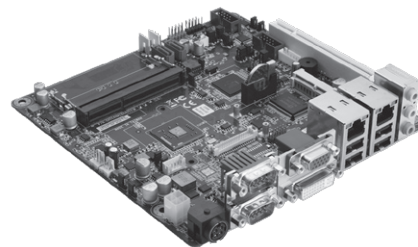
CPU	Intel® Atom™ processor D2550 onboard
System Memory	2 x 204-pin SO-DIMM, support DDR3-1066 max. up to 4 GB
Chipset	Intel® NM10 PCH
BIOS	AMI 16Mb flash ROM
SSD	N/A
Watchdog Timer	Reset: 1 to 255 sec/min per step
Expansion Interface	1 x PCI 1 x mini PCIe
Battery	Lithium 3V/220 mAH
Power Requirements	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	Realtek ALC892-GR support 2CH Audio jack as MIC-in/Line-out
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 up to 4 GB
- Dual view display via DVI-D/VGA/LVDS
- PCI/Mini PCIe expansion slot
- 2 x 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

Quick installation guide, 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