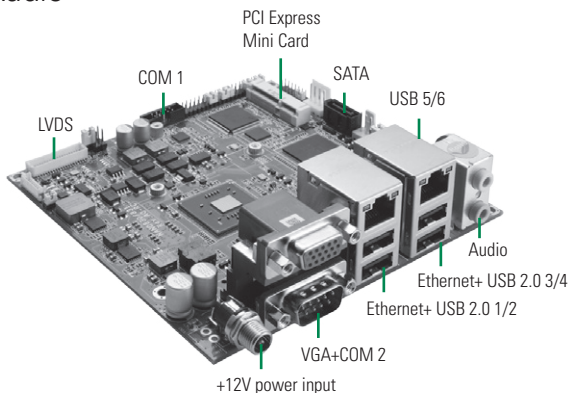


# NANO831

Intel® Atom™ N2600 Nano-ITX SBC with Intel® NM10, LVDS/VGA, Dual LANs and Audio



## System

CPU	Intel® Atom™ processor N2600 1.6 GHz dual core onboard
System Memory	1 x 204-pin SO-DIMM supports DDR3-800 max. up to 2 GB
Chipset	Intel® NM10
BIOS	AMI UEFI BIOS
SSD	1 x CFast™
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	1 x PCI Express Mini Card V1.2
Battery	Lithium 3V/220mAH
Power Input	DC power jack connector +12V DC-in only AT Auto Power ON function supported
Power Requirement	Intel® Atom™ N2600 @1.6 GHz, 1 GB DDR3 Max. RMS: +12V @ 0.995A
Size	120 x 120 mm
Board Thickness	1.6 mm
Operating Temperature	0°C ~ +60°C (32°F ~ 140°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

## I/O

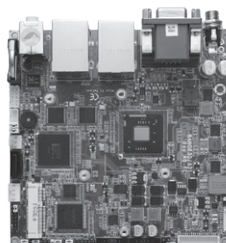
MIO	1 x RS-232/422/485 (COM 1); with +5V/+12V powered 1 x RS-232 (COM 2); with +5V/+12V powered
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	2 ports as 10/100/1000 Mbps support Wake-on-LAN, PXE Boot ROM with Intel® 82583V
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	6 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/OUT programmable
TPM	Infineon SLB9635 with TPM 1.2 compliant

## Display

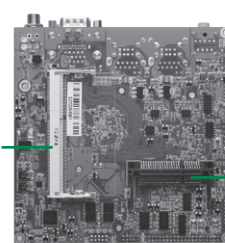
Chipset	Intel® GMA 3600 graphics core
Memory Size	Share system memory
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single/dual channel

## Features

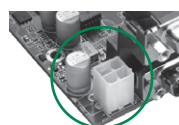
- Intel® Atom™ processor N2600 (1.6 GHz)
- 1 DDR3 SO-DIMM supports up to 2 GB memory capacity
- 6 USB 2.0 ports
- 2 COM ports
- Supports CFast™
- PCI Express Mini Card supported



▲ Top view



▲ Rear view



▲ Internal power connector (Optional)

## Packing List

### Standard

Quick installation guide, user's manual/utility CD, cable

### Cable

Part Number	Description	Qty
59382620000E	1 x COM cable w/ bracket P=2.0 mm, L=300 mm	1

### Optional

59382631000E	2 x USB 2.0 wafer cable w/ bracket 180 mm
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## Ordering Information

### Standard

Part Number	Description
NANO831VGA-N2600 (P/N: E38K831100)	Nano-ITX SBC with Intel® Atom™ processor N2600, VGA/LVDS, 2 GbE LAN, 2 COM, 6 USB, CFast™ and audio