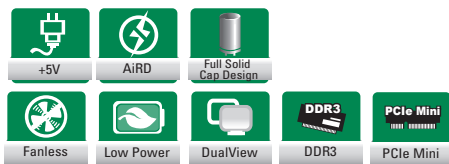


PICO831

Pico-ITX SBC with Intel® Atom™ N2600/N2800, Intel® NM10, LVDS/VGA, LAN and Audio

Features

- Intel® Atom™ processor N2800 (1.8 GHz)/N2600 (1.6 GHz) dual core onboard
- 1 DDR3-800/1066 SO-DIMM, up to 4GB
- 4 USB 2.0 ports
- 2 COM ports
- LVDS/VGA supported



Core System

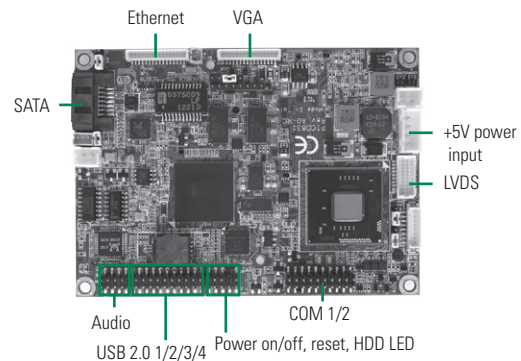
CPU	Intel® Atom™ processor N2800 1.8 GHz, N2600 1.6 GHz dual core onboard
System Memory	1 x 204-pin DDR3-800/1066 SO-DIMM, up to 4GB (N2600 supports DDR3-800, up to 2GB)
Chipset	Intel® NM10
BIOS	AMI UEFI BIOS
SSD	SATA SSD 16GB (optional)
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x Full-size PCI Express Mini Card with mSATA 1 x Half-size PCI Express Mini Card
Battery	Lithium 3V/220mAh
Power Input	1 x 4-pin connector +5V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Atom™ N2800 @ 1.86 GHz, 1GB DDR3 Max. RMS: +5V @ 2.9A Intel® Atom™ N2600 @ 1.6 GHz, 1GB DDR3 Max. RMS: +5V @ 2.6A
Size	100 x 72 mm
Board Thickness	1.6 mm
Temperature	0°C ~ +60°C (32°F ~ 140°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

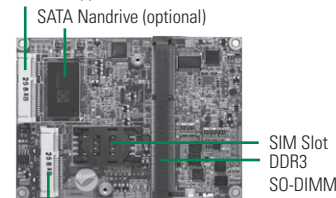
MIO	1 x RS-232/422/485 1 x RS-232
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Realtek RTL8111E
Audio	HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	N/A

Display

Chipset	Intel® GMA 3650 graphics core for N2800 Intel® GMA 3600 graphics core for N2600
Memory Size	Share System memory
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single channel



Full-size PCIe Mini Card with mSATA supported



Half-size PCIe Mini Card ▲ Rear view



▲ Assembly view

Packing List

Standard

Quick installation guide, user's manual/utility CD and accessories

Accessories

Part Number	Description	Qty
85932651000E	AX93265 I/O board	1
85932671000E	AX93267 I/O board	1
59406308010E	SATA cable	1
59405300610E	SATA power cable	1
5078H831000E	Heatspreader	1
5078H100200E	Heatsink	1

Optional

594H8302800E	USB cable 20 x 2P, P=2.0 mm, L=200 mm
594H8303000E	Audio cable 20 x 2P, P=2.0 mm, L=200 mm
594H8301600E	Power/Reset button + LED cable
594H8302100E	COM cable 10 x 2P, P=2.0 mm, L=200 mm
59340000200E	USB + Audio + LED cable, L=200 mm

Ordering Information

Standard

PICO831VGA-N2600 (P/N: E38H831101)	Pico-ITX SBC with Intel® Atom™ processor N2600 1.6 GHz, VGA/LVDS, 1 GbE LAN, 2 COM, 4 USB and audio
PICO831VGA-N2800 (P/N: E38H831100)	Pico-ITX SBC with Intel® Atom™ processor N2800 1.8 GHz, VGA/LVDS, 1 GbE LAN, 2 COM, 4 USB and audio

Mouser Electronics

Authorized Distributor

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

[Axiomtek:](#)

[PICO831VGA-N2600](#) [PICO831VGA-N2800](#) [PICO831VGA-N2800-B](#) [PICO831VGA-N2800-SSD](#) [PICO831VGA-N2600-SSD](#)