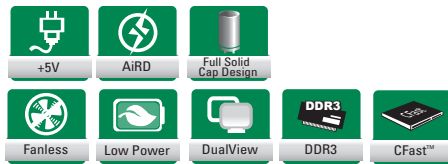


PICO830

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

Features

- Intel® Atom™ processor N2800 (1.86 GHz)/N2600 (1.6 GHz)
- 1 DDR3-800/1066 SO-DIMM, up to 4GB
- 4 USB 2.0 ports
- 2 COM ports
- LVDS/DisplayPort or VGA supported



Core System

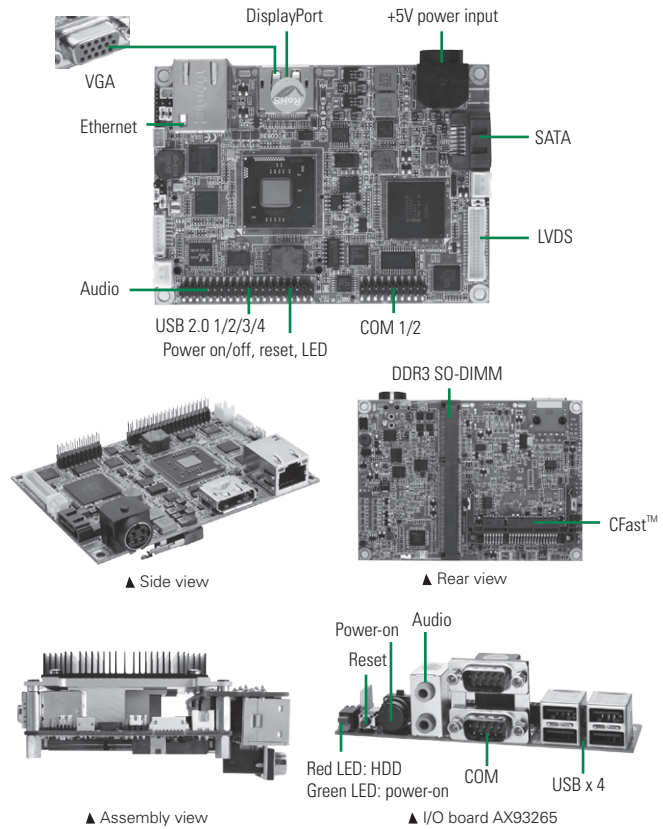
| | |
|-----------------------|---|
| CPU | Intel® Atom™ processor N2800 1.86 GHz/ N2600 1.6 GHz dual core onboard |
| System Memory | 1 x 204-pin DDR3-800/1066 SO-DIMM, up to 4GB (N2600 supports DDR3-800, up to 2GB) |
| Chipset | Intel® NM10 |
| BIOS | AMI UEFI BIOS |
| SSD | 1 x CFAST™ |
| Watchdog Timer | 255 levels, 1 ~ 255 sec. |
| Expansion Interface | N/A |
| Battery | Lithium 3V/220MAH |
| Power Input | DC power jack connector +5V DC-in only AT Auto Power On function supported |
| Power Requirements | Intel® Atom™ N2800 @ 1.86 GHz, 1GB DDR3 Max. RMS: +5V @ 3A Intel® Atom™ N2600 @ 1.6 GHz, 1GB DDR3 Max. RMS: +5V @ 2.7A |
| Size | 100 x 72 mm |
| Board Thickness | 1.6 mm |
| Operating 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 Intel® 82583V |
| Audio | HD Codec audio as MIC-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 or 1 x DisplayPort 1 x LVDS; 18/24-bit single/dual channel |



Packing List

Standard

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

Accessories

| Part Number | Description | Qty |
|--------------|-------------------------------|-----|
| 85932651000E | AX93265 I/O board | 1 |
| 594K5328200E | SATA+power wire cable, L=60mm | 1 |
| 5078H830000E | Heatspreader | 1 |
| 5078H100200E | Heatsink | 1 |

Optional

| Part Number | Description |
|--------------|---|
| 59040131000E | DisplayPort to DVI cable, L=220 mm |
| 59050203000E | DisplayPort to HDMI cable, L=185 mm |
| 59091501000E | DisplayPort to DisplayPort cable, L=1500 mm |
| 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

| | |
|------------------------------------|--|
| PICO830VGA-N2600 (P/N: E38H830100) | Pico-ITX SBC with Intel® Atom™ processor N2600 1.6 GHz, VGA/LVDS, 1 GbE LAN, 2 COM and audio |
| PICO830PGA-N2600 (P/N: E38H830102) | Pico-ITX SBC with Intel® Atom™ processor N2600 1.6 GHz, DisplayPort/LVDS, 1 GbE LAN, 2 COM and audio |
| PICO830VGA-N2800 (P/N: E38H830101) | Pico-ITX SBC with Intel® Atom™ processor N2800 1.8 GHz, VGA/LVDS, 1 GbE LAN, 2 COM and audio |
| PICO830PGA-N2800 (P/N: E38H830103) | Pico-ITX SBC with Intel® Atom™ processor N2800 1.8 GHz, DisplayPort/LVDS, 1 GbE LAN, 2 COM and audio |

