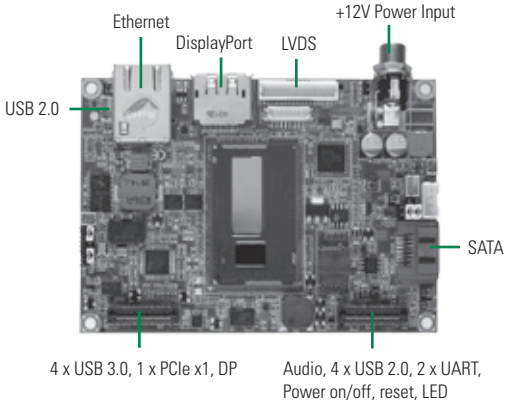
# PICO880

## 5th/4th Generation Intel® Core™ i7/i5/i3 and Celeron® Processor Pico ITX SBC with DP/LVDS, 1 GE & Audio




DDR3 | PCIe Mini | +12V | AiRD | Full Solid Cap Design

## System

| | |
|---|---|
| CPU | 5th/4th Generation Intel® i7/i5/i3 and Celeron® processor |
| System Memory | 1 x 204-pin DDR3L-1600 SO-DIMM max. up to 8 GB |
| Chipset | SoC integrated |
| BIOS | AMI |
| SSD | N/A |
| Watchdog Timer | 255 levels, 1~255 sec. |
| Expansion Interface | 1 x Full-Size Mini PCI Express Mini Card with mSATA supported<br>1 x PCIe x1, 2 x UART, 1 x DP, 4 x USB 3.0, 4 x USB 2.0 and 1 x HD audio (through expansion connector) |
| Battery Lithium | Lithium 3V/220mAH |
| Power Input | DC power jack connector<br>+12V DC-in only<br>AT Auto Power On function supported |
| Power Requirements | Intel® Core™ i7-4650U @ 1.7 GHz, 2 GB DDR3L Max. RMS. +12V @ 2.95A<br>Intel® Core™ i5-4300U @ 1.9 GHz, 2 GB DDR3L Max. RMS. +12V @ 2.55A<br>Intel® Core™ i3-4010U @ 1.7 GHz, 2 GB DDR3L Max. RMS. +12V @ 1.84A<br>Intel® Celeron® 2980U @ 1.6 GHz, 2 GB DDR3L Max. RMS. +12V @ 1.75A |
| Size | 100 x 72 mm |
| Board Thickness | 1.6 mm |
| Temperature | -20°C ~ +70°C (-4°F ~ 158°F), operation |
| Relative Humidity | 10% ~ 95% relative humidity, non-condensing |

## I/O

| | |
|---|---|
| MIO | N/A |
| SATA | 1 x SATA-600 |
| Hardware Monitoring | Detect CPU/system temperature and voltage |
| Ethernet | 1 port as 10/100/1000 Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Intel® i218LM |
| Audio | HD Codec audio as MIC-in/Line-out with Realtek ALC662 |
| USB | 1 x USB 2.0 |
| SMBus | System Management Bus for advanced monitoring/control |
| Digital I/O | N/A |

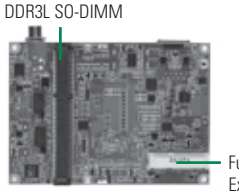
## Display

| | |
|---|---|
| Chipset | Intel® integrated Gfx graphic engine |
| Memory Size | Share System memory |
| Display Interface | 1 x LVDS; 18/24-bit single/dual channel<br>1 x DisplayPort |

* All specifications and photos are subject to change without notice.

## Features

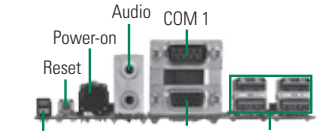
- 5th/4th Generation Intel® Core™ i7/i5/i3 and Celeron® processor
- 1 DDR3L SO-DIMM supports up to 8 GB memory capacity
- Intel® AMT 9.5 supported
- 1 Full-Size PCI Express Mini card with mSATA
- +12V DC-IN
- 2 optional I/O boards, AX93275 and AX93276



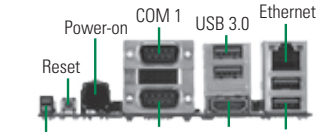

▲ Rear view



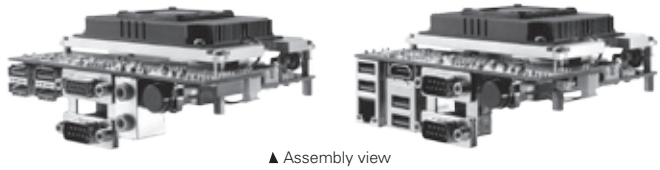
▲ Assembly view




▲ AX93275




▲ AX93276



▲ Assembly view

## Packing List

| Standard |
|---|
| Quick installation guide, User's Manual/Utility CD and accessories |

**Accessories**

| Part Number | Description | Qty |
|---|---|---|
| 59403208000E | SATA cable | 1 |
| 594P8800600E | SATA power cable | 1 |
| 594P8802800E | USB cable | 1 |
| 59190400500E | Fan cable | 1 |
| 5078H880010E | Heatspreader | 1 |
| 5078H100100E | Heatsink with fan | 1 |

## Ordering Information

| Standard | |
|---|---|
| PICO880PGA-i7 4650U (P/N: E38H880102) | 4th Generation Intel® Core™ i7-4650U 1.7 GHz Pico-ITX SBC with DP/LVDS, 10/100/1000Mbps, 1 USB 2.0 |
| PICO880PGA-i5 4300U (P/N: E38H880103) | 4th Generation Intel® Core™ i5-4300U 1.9 GHz Pico-ITX SBC with DP/LVDS, 10/100/1000Mbps, 1 USB 2.0 |
| PICO880PGA-i3 4010U (P/N: E38H880100) | 4th Generation Intel® Core™ i3-4010U 1.7 GHz Pico-ITX SBC with DP/LVDS, 10/100/1000Mbps, 1 USB 2.0 |
| PICO880PGA-CELERON 2980U (P/N: E38H880104) | 4th Generation Intel® Celeron® 2980U 1.6 GHz Pico-ITX SBC with DP/LVDS, 10/100/1000Mbps, 1 USB 2.0 |

*For more Ordering Information, please visit Axiomtek's website.

**Optional**

| I/O board | RS-232/422/485 | RS-232 | USB 3.0 | Display | LAN |
|---|---|---|---|---|---|
| AX93275 (P/N: E393275100) | 1 | 1 | 4 | VGA | N/A |
| AX93276 (P/N: E393276100) | 1 | 1 | 4 | HDMI | 1 |





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