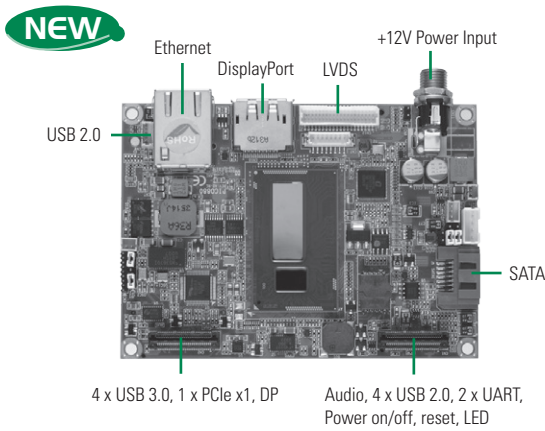


PICO880

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



System

CPU	4th Generation Intel® i7/ i5/ i3/ Celeron® processor onboard
System Memory	1 x 204-pin DDR3L-1600 SO-DIMM max. up to 8 GB
Chipset	N/A
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 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 +12V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Core™ i7-4650U @ 1.7 GHz, 2 GB DDR3L Max. RMS. +12V @ 2.95A Intel® Core™ i5-4300U @ 1.9 GHz, 2 GB DDR3L Max. RMS. +12V @ 2.55A Intel® Core™ i3-4010U @ 1.7 GHz, 2 GB DDR3L Max. RMS. +12V @ 1.84A 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

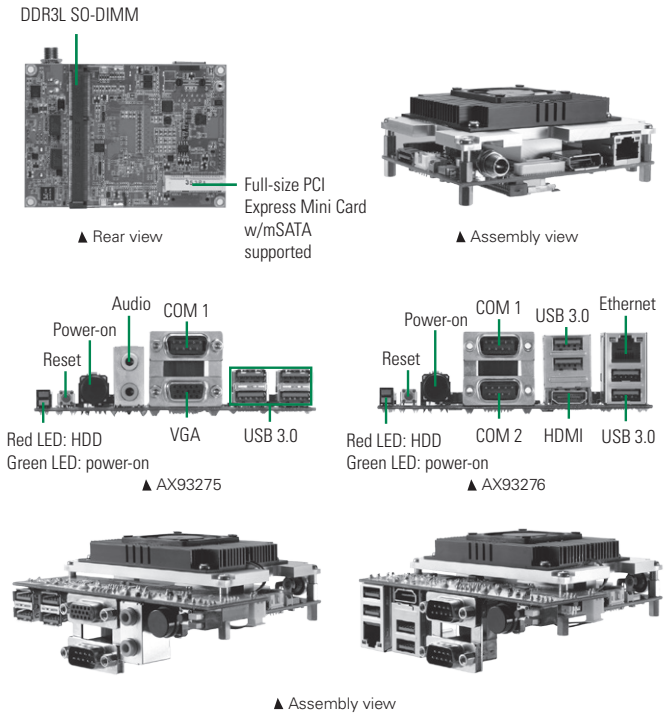
Display

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

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

- 4th Generation Intel® Core™ i7/ i5/ i3 and Celeron® processor
- 1 DDR3L SO-DIMM supports up to 8 GB memory capacity
- 1 USB 2.0 port
- Intel® AMT 9.5 supported



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 w/ fan	1

Ordering Information

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

Systems on Modules

Embedded SBCs >EPIC

Embedded SBCs >3.5" Capa

Embedded SBCs >Nano-ITX

Embedded SBCs >Pico-ITX

Embedded SBCs >PC/104

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix