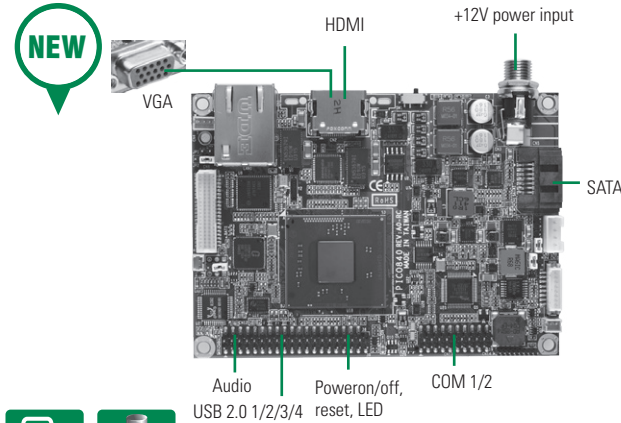


PICO842

Intel® Celeron® Processor J1900/N2807
Pico-ITX SBC with LVDS/VGA (HDMI),
LAN & Audio



System

CPU	Intel® Celeron® processor J1900 (up to 2.42 GHz) /N2807 (up to 2.16 GHz)
System Memory	1 x 204-pin DDR3L-1066/1333 SO-DIMM max. up to 8GB
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
Battery Lithium	Lithium 3V/220mAh
Power Input	DC power jack connector +12V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Celeron® J1900 @ 8GB DDR3L Max. RMS. +12V @ 0.9A Intel® Celeron® N2807 @ 8GB DDR3L Max. RMS. +12V @ 0.7A
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

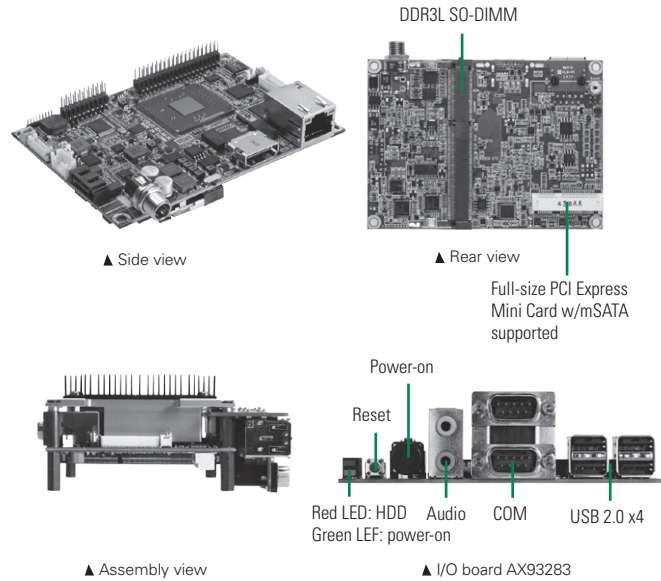
MIO	2 x RS-232/422/485
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i211AT
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	NA
TPM	ST ST33TPM12LPC with TPM 1.2 compliant

Display

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

Features

- Intel® Celeron® processor J1900 (up to 2.42 GHz) /N2807 (up to 2.16 GHz) (Bay Trail)
- 1 DDR3L SO-DIMM supports up to 8GB memory capacity
- 4 USB 2.0 ports
- 2 COM ports (RS-232/422/485 selectable)
- PCI Express Mini Card w/mSATA supported



Packing List

Standard		
Quick installation guide, User's Manual/Utility CD and cable		
Accessories		
Part Number	Description	Qty
85932831000	AX93283 I/O board	1
59403208000E	SATA Cable w/lock L=200mm	1
594P8800600E	SATA power cable L=200mm	1
5078H842100E	Heatspreader	1
5078H100200E	Heatsink	1
Optional		
Part Number	Description	
594H8302800E	USB CABLE 20x2P P=2.0 mm L=200mm	
594H8303000E	AUDIO CABLE 20x2P P=2.0 mm L=200mm	
594H8301600E	Power/Reset button + LED CABLE	
594H8302100E	COM CABLE 10x2P P=2.0 mm L=200mm	
59340000200E	USB+AUDIO+LED CABLE L=200mm	

Ordering Information

Standard	
PICO842VGA-J1900 (P/N: E38H842100)	Pico-ITX SBC with Intel® Celeron® processor J1900 2.0 GHz, VGA/LVDS, 1GE, Audio and gift box
PICO842VGA-N2807 (P/N: E38H842101)	Pico-ITX SBC with Intel® Celeron® processor N2807 1.58 GHz, VGA/LVDS, 1GE, Audio and gift box
PICO842HGA-J1900 (P/N: E38H842102)	Pico-ITX SBC with Intel® Celeron® processor J1900 2.0 GHz, HDMI/LVDS, 1GE, Audio and gift box
PICO842HGA-N2807 (P/N: E38H842103)	Pico-ITX SBC with Intel® Celeron® processor N2807 1.58 GHz, HDMI/LVDS, 1GE, Audio and gift box

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

