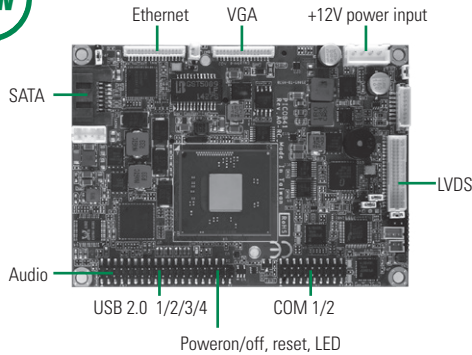


PICO843

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

NEW



System

CPU	Intel® Celeron® processor J1900/N2807 onboard
System Memory	1 x 204-pin DDR3L-1066/1333 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 PCI Express Mini Card with mSATA 1 x Half-size PCI Express Mini Card
Battery Lithium	Lithium 3V/220mAh
Power Input	1 x 4-pin connector +12V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Celeron® J1900 @ 2 GHz 4 GB DDR3L
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

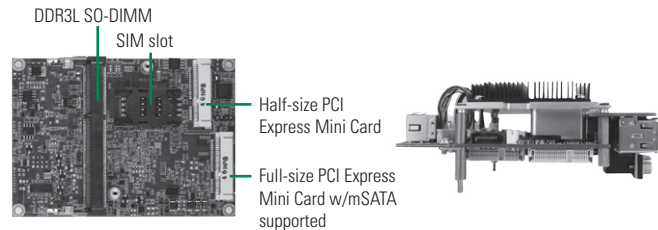
MIO	2 x RS-232/422/485
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i211AT
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced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

Display

Chipset	Intel® HD Graphics
Memory Size	Share System memory
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single/dual channel

Features

- Intel® Celeron® processor J1900/N2807 Bay Trail SoC onboard
- 1 DDR3L SO-DIMM supports up to 8 GB memory capacity
- 4 USB 2.0 ports
- 2 COM ports
- 2 PCI Express Mini Cards



▲ Rear view



▲ Assembly view

Packing List

Standard

Quick installation guide, User's Manual/Utility CD and cable

Accessories

Part Number	Description	Qty
85932831000E	AX93283 I/O board	1
85932671000E	AX93267 I/O board	1
59406308010E	SATA cable	1
594P8800600E	SATA power cable	1
5078H843000E	Heatspreader	1
5078H100200E	Heatsink	1

Ordering Information

Standard

PICO843VGA-J1900 (P/N: E38H843100)	Pico-ITX SBC with Intel® Celeron® processor J1900 (2 GHz-2.42 GHz, 2 MB Cache, 10W), VGA/LVDS, GbE LAN and audio
PICO843VGA-N2807 (P/N: E38H843101)	Pico-ITX SBC with Intel® Celeron® processor N2807 (1.58 GHz-2.16 GHz, 1 MB Cache, 4.3W), VGA/LVDS, GbE LAN and audio

SBC Services and Solutions

Systems on Modules

Embedded SBCs >EPIC

Embedded SBCs >3.5" Capa

Embedded SBCs >Nano-ITX

3

Embedded SBCs >Pico-ITX

Embedded SBCs >PC/104

Industrial Motherboards

Slot CPU Cards

ARM Embedded Boards

Accessories

Appendix

