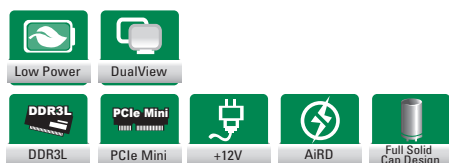


# PICO843

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

## Features

- Intel® Celeron® processor J1900/N2807 onboard
- 1 DDR3L-1066/1333 SO-DIMM, up to 8GB
- 4 USB 2.0 ports
- 2 COM ports
- 2 PCI Express Mini Cards



## Core System

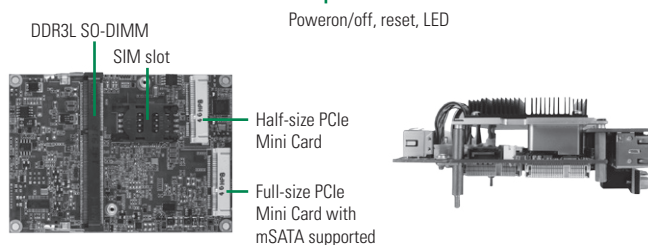
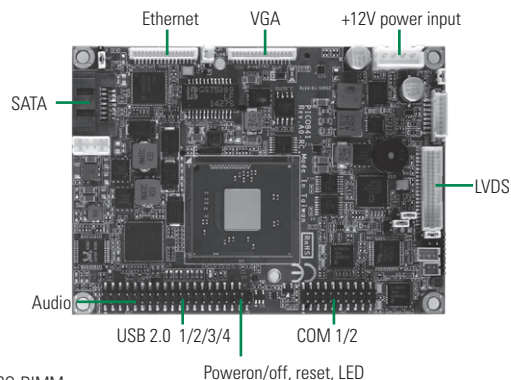
CPU	Intel® Celeron® processor J1900/N2807 onboard
System Memory	1 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB
Chipset	SoC integrated
BIOS	AMI
SSD	N/A
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x Full-size PCI Express Mini Card with mSATA 1 x Half-size PCI Express Mini Card
Battery Lithium	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 4GB 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



▲ 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, 1 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, 1 GbE LAN and audio