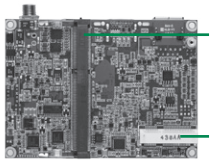
PICO842

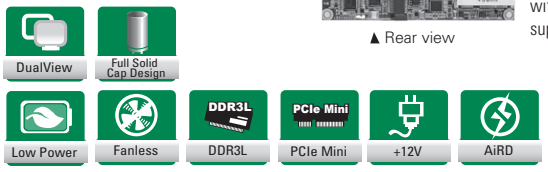
Pico-ITX SBC with Intel® Celeron® Processor J1900/N2807, LVDS/VGA (HDMI), LAN and Audio

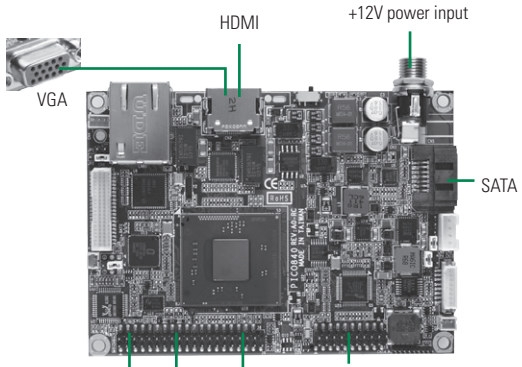
Features

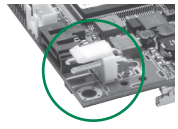
- Intel® Celeron® processor J1900/N2807 (Bay Trail SoC)
- 1 DDR3L-1066/1333 SO-DIMM, up to 8GB
- 4 USB 2.0 ports
- 2 COM ports (RS-232/422/485 selectable)
- PCI Express Mini Card with mSATA supported



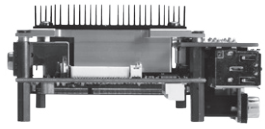
▲ Rear view



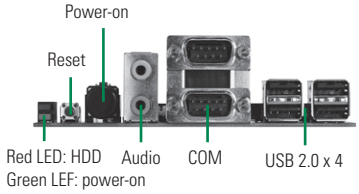




▲ Internal power connector (Optional)



▲ Assembly view



▲ I/O board AX93283

Core System

CPU	Intel® Celeron® processor J1900/N2807
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
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

Packing List

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

Accessories

Part Number	Description	Qty
85932831000E	AX93283 I/O board	1
59403208000E	SATA Cable w/lock, L=200 mm	1
594P8800600E	SATA power cable, L=200 mm	1
5078H842100E	Heatspreader	1
5078H100200E	Cooler	1

Optional

Part Number	Description
594H8302800E	USB cable 20 x 2P, P=2.0 mm, L=200 mm
594H8303000E	Audio cable 20 x 2P, P=2.0 mm, L=200 mm
594H8301600E	Power/Reset button + LED cable
594H8302100E	COM cable 10 x 2P, P=2.0 mm, L=200 mm
59340000200E	USB + audio + LED cable, L=200 mm

Ordering Information

Standard	
PICO842VGA-J1900 (P/N: E38H842100)	Pico-ITX SBC with Intel® Celeron® processor J1900 (2-2.4 GHz, 2 MB Cache, 10W), VGA/LVDS, 1 GbE LAN, audio and gift box
PICO842VGA-N2807 (P/N: E38H842101)	Pico-ITX SBC with Intel® Celeron® processor N2807 (1.58-2.16 GHz, 1 MB Cache, 4.3W), VGA/LVDS, 1 GbE LAN, audio and gift box
PICO842HGA-J1900 (P/N: E38H842102)	Pico-ITX SBC with Intel® Celeron® processor J1900 (2-2.4 GHz, 2 MB Cache, 10W), HDMI/LVDS, 1 GbE LAN, audio and gift box
PICO842HGA-N2807 (P/N: E38H842103)	Pico-ITX SBC with Intel® Celeron® processor N2807 (1.58-2.16 GHz, 1 MB Cache, 4.3W), HDMI/LVDS, 1 GbE LAN, audio and gift box

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