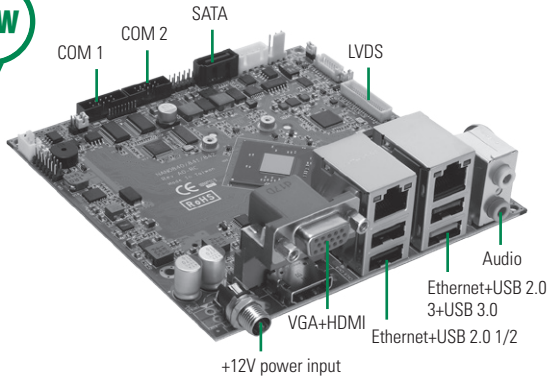


NANO842

Intel® Celeron® Processor J1900/N2807
Nano-TX SBC with LVDS/VGA/HDMI,
Dual LANs and Audio

NEW



System

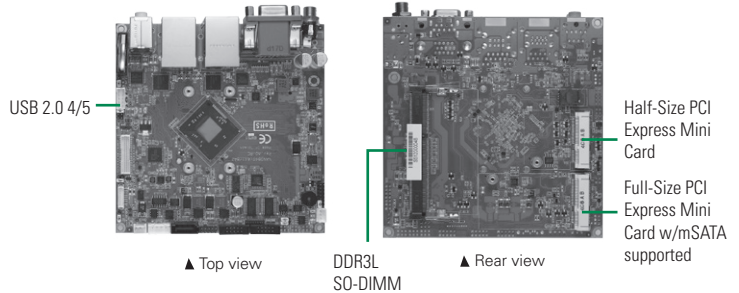
CPU	Intel® Celeron® Processor J1900, N2807
System Memory	1 x 204-pin DDR3L-1066/1333 SO-DIMM max. up to 8 GB
Chipset	SoC integrated
BIOS	AMI
SSD	N/A
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	1 x Full-Size Mini PCI Express Mini Card w/mSATA supported 1 x Half-Size Mini PCI Express Mini Card
Battery Lithium	Lithium 3V/220mAH
Power Input	DC power jackconnector +12V DC-in AT Auto Power On function supported
Power Requirements	Intel® Celeron® J1900 @ 2 GHz 8GB DDR3L Max. RMS: +12V @0.9A Intel® Celeron® N2807 @ 1.58 GHz 8GB DDR3L Max. RMS: +12V @0.7A
Size	120 x 120 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	1 x RS-232/422/485; with +5V/+12V powered 1 x RS-232
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	2 ports 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	5 x USB 2.0 1 x USB 3.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/OUT programmed
TPM	ST ST33TPM12LPC with TPM 1.2 compliant

Features

- Intel® Celeron® Processor J1900/N2807
- 1 DDR3L SO-DIMM supports up to 8GB memory capacity
- 5 USB 2.0 ports and 1 USB3.0 port
- 2 COM ports
- 2 PCI Express Mini Cards



Display

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

Packing List

Standard		
Quick installation guide, User's Manual/Utility CD and cable		
Cable		
Part Number	Description	Qty
59382620000E	1 x COM cable w/ bracket P=2.0mm L=300mm	1
Optional		
50966124030E	ADAPTER 12V60W FSP060-DIBAN2 W/SCREW	

Ordering Information

Standard		
NANO842VHGGGA-J1900 (P/N: E38K842100)	Nano-ITX SBC with Intel® Celeron® processor J1900 (2GHz-2.4GHz, 2MB Cache, 10W), VGA/LVDS/HDMI, 2 Gigabit LANs, and Audio	
NANO842VHGGGA-N2807 (P/N: E38K842101)	Nano-ITX SBC with Intel® Celeron® processor N2807 (1.58GHz-2.16GHz, 1MB Cache, 4.3W), VGA/LVDS/HDMI, 2 Gigabit LANs, and Audio	

SBC Services and Solutions

Systems on Modules

Embedded SBCs >EPIC

Embedded SBCs >3.5" Capa

3

Embedded SBCs >Nano-ITX

Embedded SBCs >Pico-ITX

Embedded SBCs >PC/104

Industrial Motherboards

Slot CPU Cards

ARM Embedded Boards

Accessories

Appendix

