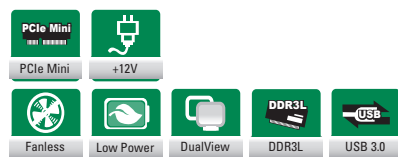


MANO842

Mini-ITX with Intel® Celeron® Processor J1900 (up to 2.42 GHz), VGA/HDMI/LVDS, USB 3.0, Mini PCIe Card and HD Audio

Features

- Intel® Celeron® processor J1900 2.0 GHz
- 1 DDR3L-1333 SO-DIMM, up to 8GB
- PCIe x1 supported
- 1 USB 3.0 and 5 USB 2.0 ports
- 1 SATA-300 and 1 mSATA slots
- 6 COM ports
- 12 VDC and ATX
- VGA/HDMI/LVDS with dual-view supported

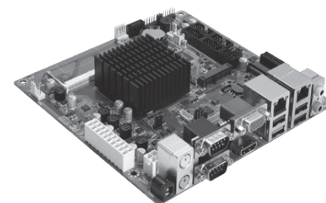
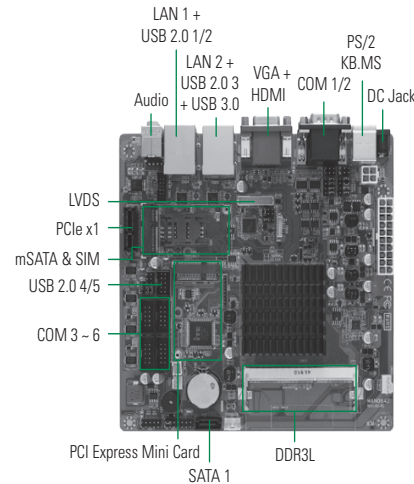


Core System

CPU	Intel® Celeron® processor J1900 (up to 2.42 GHz) quad core SoC (Bay Trail)
System Memory	1 x 204-pin DDR3L-1333 SO-DIMM dual channel, up to 8GB
Chipset	SoC integrated
BIOS	AMI
SSD	N/A
Watchdog Timer	255 levels, 1 ~ 255 sec.
Expansion Interface	1 x PCIe x1 1 x PCI Express Mini Card 1 x SIM card slot
Battery	Lithium 3V/220 mAh
Power Requirements	12VDC or STD ATX
Size/Weight	170 x 170 mm
Board Thickness	1.6 mm
Temperature	0°C ~ +60°C (+32°F ~ +140°F), operation.
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x PS/2 Keyboard & mouse 2 x RS-232/422/485 (rear I/O) 4 x RS-232
SATA	1 x SATA-300 1 x mSATA
Ethernet	2 x Realtek RTL8111F for Gigabit LAN support WoL & PXE
Audio	HD Audio as Mic-in/Line-out with Realtek ALC662
USB	5 x USB 2.0 1 x USB 3.0; (rear I/O: 1 x USB 3.0 + 3 x USB 2.0)
TPM	N/A
Digital I/O	8 Channels programmable
SM BUS	N/A



▲ Side view

Display

Chipset	Intel® HD graphics
Memory Size	Shared memory
Display Interface	1 x VGA 1 x HDMI 1 x LVDS 18/24-bit dual channel

Packing List

Standard	
I/O Bracket, Driver CD	

Ordering Information

Standard	
MANO842VHGA (P/N: E38M842101)	Mini-ITX SBC with Intel® Celeron® J1900, VGA/HDMI/LVDS, 2 GbE LANs, USB 3.0, PCI Express Mini Card and HD audio
Optional	
59411500600E	SATA power cable 4P 180 mm (RC)
59386831000E	USB x 2, 2 x 5P 2.54 mm, L=180 mm
59380703000E	COM port x 2 with bracket P=2.54 mm
50956124040E	AC Adapter 60W/12V5A/Φ2.5



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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