

XEB-820-3F

Intel® Celeron® J1900 3.5" Embedded SBC with LVDS/VGA/HDMI, Dual LANs, Audio and ZIO

Features

- Intel® Celeron® processor J1900
- 2 DDR3L SO-DIMM support up to 8 GB memory capacity
- 4 USB 2.0 ports and 1 USB 3.0 port
- 2 COM ports



Specification

System

CPU	Intel® Celeron® processor J1900 quad core onboard
System Memory	1 x 204-pin DDR3L-1066/1333 SO-DIMM max. up to 8 GB
Chipset	SoC Integrated
BIOS	AMI
SSD	1 x mSATA
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x Full-size PCI Express Mini Card 1 x Full-size PCI Express Mini Card (USB only) 1 x USB, 1 x PCIe x1, 1 x LPC, 1 x SMBus through a ZIO connector
Battery	Lithium 3V/220 mAh
Power Input	2 x 2-pin connector +10V~24V DC-in AT Auto Power On function supported
Power Requirements	Intel® Celeron® J1900 @2.0 GHz, 8 GB DDR3L Max. RMS: +24V @ 0.5A
Size	146 x 104 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, voltage and fan speed
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-in/Line-out/with Realtek ALC662
USB	4 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

Display

Chipset	Intel® HD Graphics
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, cable	
Accessories	
Part Number	Description
59382620000E	1 x COM w/bracket P=2.0 mm, L=300 mm
59384500100E	Audio cable w/bracket P=2.45 mm
594P8802800E	1 x USB 2.0 wafer cable
Standard	
XEB-820-3F	3.5" embedded SBC with Intel® Celeron® processor J1900 (2~2.42 GHz, 2MB Cache, 10W), VGA/LVDS/HDMI, 2 GbE LAN and audio

