

eBOX638-842-FL NEW

Fanless Embedded System with Intel® Celeron® Processor J1900 2.0 GHz, VGA/HDMI, 4 COM, 6 USB, 2 PCI Slots and 9~36 VDC Input

Features

- Intel® Celeron® Processor J1900 2.0 GHz
- Fanless operation design with full feature I/O
- HDMI and VGA with dual-view supported
- 6 USB, 2 GbE and 1 Mini PCIe slot
- Flexible I/O Window supported
- Dual PCI expansion slots
- 9 ~ 36 VDC wide range power input



Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	Intel® Celeron® Quad-Core J1900 2.0 GHz
System Memory	1 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB
Chipset	SoC integrated
BIOS	AMI
System I/O Outlet	2 x RS-232/422/485 (COM 1/COM 2) 2 x RS-232 (COM 3/COM 4) 1 x flexible I/O window (default: 2 x DB9 half cut bracket) 2 x 10/100/1000Mbps Ethernet (Realtek 8111F) 5 x USB 2.0 1 x USB 3.0 1 x Audio (Mic-in/Line-out) 1 x PS/2 keyboard 1 x PS/2 mouse 1 x HDMI 1 x VGA 1 x VDC power input connector 1 x ATX power button 2 x SMA type connector opening for antenna
Watchdog Timer	255 levels, 1 ~ 255 sec.
Storage	1 x 2.5" SATA HDD drive bay, max. up 15 mm height 1 x mSATA (optional)
Expansion Interface	2 x PCI slots 1 x Full-size mini-PCIe (PCI Express + USB signal) 1 x SIM slot
System Indicator	1 x green LED for system power 1 x yellow LED for HDD active
Power Supply	9 ~ 36 VDC
Operating Temperature	-10°C ~ +55°C (14°F ~ +131 F) (with W.T. DRAM & SSD)
Humidity	10% ~ 90%, non-condensing
Vibration Endurance	2 Grms with SSD(5-500 Hz, X, Y, Z directions)
Dimensions	192mm (7.56") (W) x 230 mm (9.05") (D) x 115.8 mm (4.56") (H)
Weight (net/gross)	4.1 kg (9.03 lb)/4.8 kg (10.58 lb)
Certificate	CE compliance
EOS support	WES7, Win10 IoT

Packing List

- 1 x Quick manual
- 1 x Driver cd
- 1 x Screw pack
- 1 x 2-pin terminal block connector
- 1 x PCI riser card



Power Protection

DC Version

- OCP (over current protection)
- OVP (over voltage protection)
- SCP (short circuit protection)

Ordering Information

Standard

eBOX638-842-FL-2 PCI	Fanless embedded system with Intel® Celeron® processor J1900 2.0 GHz, VGA/HDMI, 4 COM, 6 USB, 2 PCI slots and 9 ~ 36 VDC input
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Optional

2.5" SATA HDD	80GB or above
2.5" SATA SSD	40GB or above
DDR3L SO-DIMM	1GB ~ 8GB
mSATA	512MB or above
Wall mount Kit	88160639010E
Wi-Fi module	
E392903102	AX92903 CANbus Mini PCI Express module
E392903103	AX92903 CAN module w/ CANopen
E392902103	AX92902 LAN Mini PCI Express module
E392904102	AX92904 DIO Mini PCI Express module
E59406382110E	RS-232 cable, P=2.54, L=300MM

* Specifications and certifications may vary according to various options.

Dimensions

