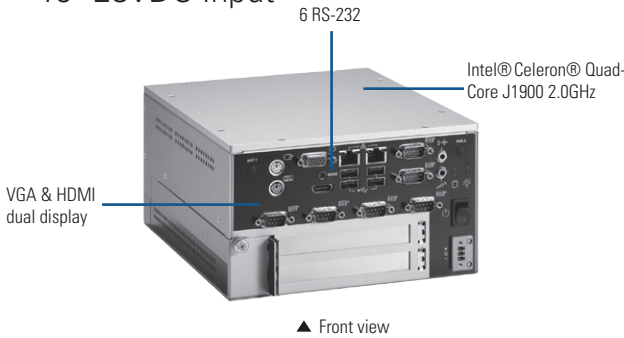


eBOX638-840-FL

Fanless Embedded System with Intel® Celeron® Processor J1900 2.0 GHz, VGA/HDMI, 6 COM, 2 PCI/PCIe slots and 16~28VDC Input



Specifications

Standard Color	Silver-Black
Construction	Aluminum extrusion and heavy-duty steel, IP30
CPU	Intel® Celeron® Quad-Core J1900 2.0 GHz
System Memory	1 x 204-pin DDR3L-1066/1333 SO-DIMM, max. up to 8 GB
Chipset	SoC integrated
BIOS	AMI
System I/O Outlet	6 x RS-232 2 x 10/100/1000Mbps Ethernet (Realtek RTL8111G) 4 x USB 2.0 1 x Internal 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 switch 2 x SMA type connector opening for antenna
Watchdog Timer	255 levels, 1 ~ 255 sec.
Storage	1 x 2.5" SATA HDD bay, max. height 9.5mm 1 x mSATA
Expansion Interface	1x Full-size PCI Express Mini Card slot with mSATA supported (PCI Express + USB signal) 2 x 32bit/33MHz PCI slots, support max. length of 200 mm of PCB boards or 2 PCIe x1 for expansion max. up to 10W
System Indicator	1 x green for system power 1 x orange LED for HDD active
Power Supply	DC ATX 72W Input: 16~28VDC, Output: +12V@6A
Operating Temperature	-10°C ~ +55°C (14°F ~ +131 F) (with W.T. DRAM & SSD)
Storage Temperature	-40°C ~ +80°C (-40°F ~ +176°F)
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
EOS support	WES7, WE8S, Linux

Packing List

- 1 x quick manual
- 1 x driver cd
- 1 x screw pack
- 4 x foot pad
- 1 x DC-in connector

Features

- Intel® Celeron® J1900 2.0 GHz quad core (Bay Trail)
- Fanless operation design with full feature I/O
- Dual Independent Display from HDMI and VGA
- Supports 6 COM ports, 2 GbE LAN and 1 Mini PCIe slot
- Supports dual PCI or PCIe x1 expansion slots
- ATX 72W 16~28VDC wide range power input



Power Protection

- OCP (over current protection)
- OVP (over voltage protection)
- UVP (under voltage protection)

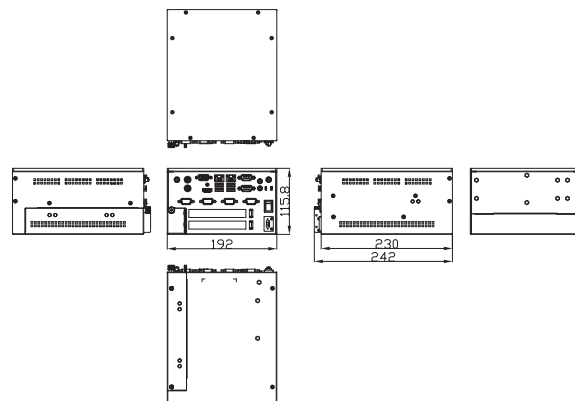
Ordering Information

Standard	
eBOX638-840-FL-2PCI-DC	Fanless embedded system with Intel® Celeron® J1900 2.0 GHz, VGA/HDMI, 6 COM, 2 GbE LAN, 2 PCI slots and 16~28VDC input
eBOX638-840-FL-2PCIe-DC	Fanless embedded system with Intel® Celeron® J1900 2.0 GHz, VGA/HDMI, 6 COM, 2 GbE LAN, 2 PCIe x1 slots and 16~28VDC input

Optional	
2.5" SATA HDD	80 GB or above
2.5" SATA SSD	40 GB or above
DDR3L SO-DIMM	1GB ~ 8GB
mSATA	512 MB or above
Wall Mount Kit	88160639010E
Wi-Fi Module	
3G Module	

*Specifications and certifications are based on options and may vary.

Dimensions



Overview

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Embedded Systems

Embedded Systems for Transportation

Embedded Field Controllers

Industrial Firewall

Digital Signage Solutions

Embedded MicroBoxes

Industrial Barebone Systems

Industrial Chassis

Backplanes

Power Supplies

Peripherals & Accessories

