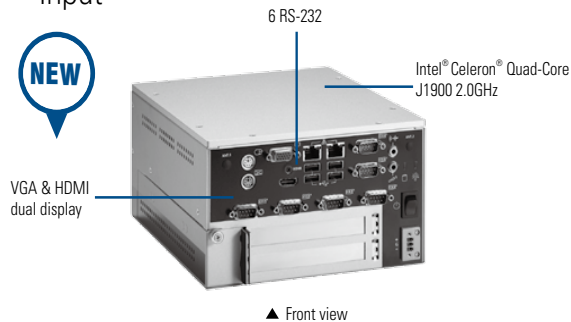


eBOX638-840-FL

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



▲ Front view



Specifications

Standard Color	Silver-Black
Construction	Aluminum extrusion and heavy-duty steel, IP30
CPU	Intel® Celeron® Quad-Core J1900 2.0GHz on board
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 32 bit/33MHz PCI slots, supports max. length of 200 mm of PCB boards expansion, total 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. SSD & DRAM)
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	192 mm(7.56") (W) x 230 mm(9.05") (D) x 130.8 mm (5.14") (H)
Weight (net/gross)	4.1 kg (9.03 lb) /4.8 kg (10.58 lb)
Certification	CE
EOS support	WEST, WEBS, 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 onboard
- 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 32 bit/33 MHz PCI expansion slots
- ATX 72W 16~28VDC wide range power input



▲ Rear view

Power Protection

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

Ordering Information

Standard

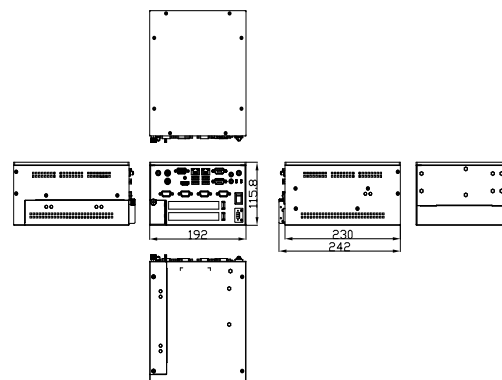
eBOX638-840-FL-J1900- Fanless Embedded System with Intel® Celeron® J1900 2.0 GHz, VGA/HDMI, 6 COM, 2 GbE LAN, 2 PCI slots and 16~28VDC Input

Optional

2.5" SATA HDD 80 GB or above
2.5" SATA SSD 40 GB or above
DDR3L SODIMM 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



* All specifications and photos are subject to change without notice.

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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