

# eBOX638-842-FL

Fanless Embedded System with Intel® Celeron® Processor J1900, VGA, HDMI, 4 COM, 6 USB, Dual Expansion Slots and 9 to 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 LAN and 4 COM
- PCI Express Mini Card slot
- Flexible I/O window design
- Dual PCI or PCIe x1 expansion slots
- 9 to 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 2 x RS-232 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 & mouse 1 x HDMI 1 x VGA 1 x VDC power input connector 1 x ATX power switch 1 x Reset switch 2 x SMA-type antenna connector 1 x Flexible I/O window (default: 2 x DB9 half cut bracket)
Watchdog Timer	255 levels, 1 to 255 sec.
Storage	1 x 2.5" SATA HDD drive bay (max. up 15 mm height) 1 x mSATA (enabled in BIOS setting)
Expansion Interface	2 x PCI or 2 x PCIe x1 slot 1 x Full-size PCI Express Mini Card slot (PCIe + USB signal) 1 x SIM slot
TPM	N/A
System Indicator	1 x Green LED for system power 1 x Yellow LED for HDD active
Power Input	9 to 36 VDC
Operating Temperature	-10°C to +55°C (14°F to +131 F) (with W.T. DRAM & SSD)
Humidity	10% - 90%, non-condensing
Vibration Endurance	2 Grms with SSD (5 to 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)
Certifications	CE compliance
EOS Support	WES7, Win 10 IoT

\* W.T.: Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

## 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 or 1 x PCIe 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 to 36 VDC input
eBOX638-842-FL-2 PCIe	Fanless embedded system with Intel® Celeron® processor J1900 2.0 GHz, VGA, HDMI, 4 COM, 6 USB, 2 PCIe x1 slots and 9 to 36 VDC input

### Optional

2.5" SATA HDD	64GB or above
2.5" SATA SSD	100GB or above
DDR3L SO-DIMM	2GB to 8GB
mSATA	64MB or above
8816K6601A0E	Wi-Fi module
	3G/LTE module
881606390A0E	Wall mount Kit
E392903102	AX92903 CANbus PCI Express Mini module
E392903103	AX92903 CAN module with CANopen
E392902103	AX92902 LAN PCI Express Mini module
E392904102	AX92904 DIO PCI Express Mini module
59406382110E	RS-232 cable, P=2.54, L=300MM
50906D24000E	24V 120W power adapter

\* Specifications and certifications may vary based on different requirements.

## Dimensions

