

PowerBrick™ Ultra V2

Quick Guide
Edition 3.0



*Rugged
Industrial Computer
with Intel® Quad Core™ j1900*



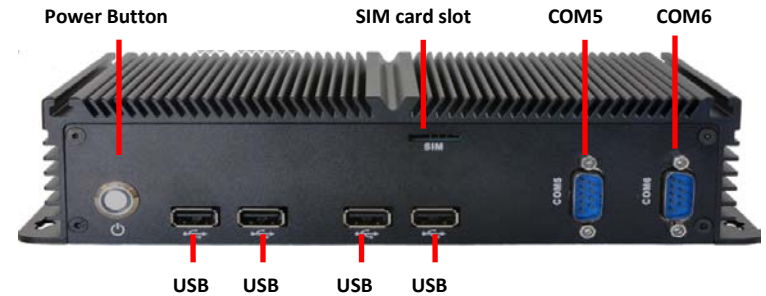
Acura Embedded Systems Inc.

1. OVERVIEW

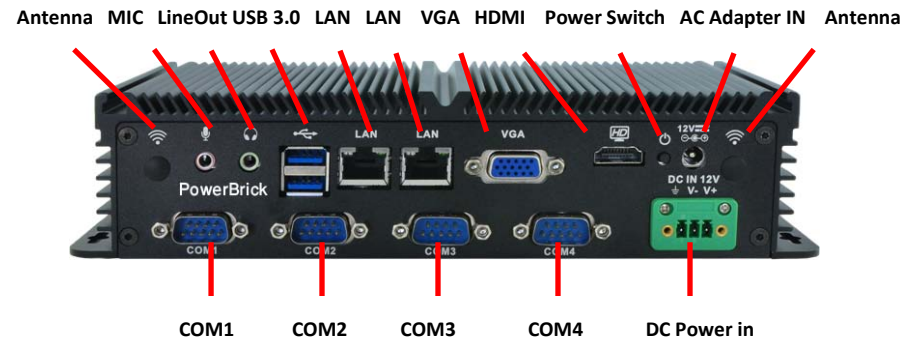
PowerBrick Ultra V2 is based on an **Intel® Quad Core™ j1900** processor integrated **Intel® HD Graphics Card** and **Intel® Express** chipset. Its 1 x 4 GB DDR3L-1600 SO-DIMM memory can early upgrade to **8 GB**. The design focuses on elements essential for a variety of industrial applications and environments excluding unnecessary hardware. The architecture is modular which allows for upgrading and expansions.

2. MAIN FEATURES

- PowerBrick Ultra front Interface



- PowerBrick Ultra rear Interface



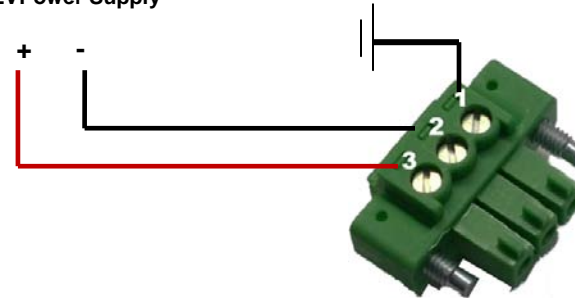
System	
CPU	Onboard Intel Quad Core j1900,2.0G
Chipset	INTEL Express Chipset
Memory	1 x 4G DDR3L-1600 SO-DIMM up to 8GB.
Graphics	Integrated Intel HD Graphics Card
Storage	1x2.5" Drive Bay for SATA Type SSD (Default 120GB) 1x mSATA socket
I/O	
Serial Port	6xRS232 , RS422/485
USB Port	6xUSB2.0/3.0
LAN	2x RJ45 Ports for GbE
Wireless	1x WIFI with Bluetooth ,3/4/LTE, 1x SIM Slot
Audio	1x Line-out, 1x Mic-in
Video Port	1 x HDMI and 1 x VGA Output
Watchdog	Offer 1 – 255 Level Reset(Optional)
OS	Win 7/10 Pro 32/64 Bit;Linux
Environment	
Operating Temp	-20°C~60°C (-32°F~140°F)
Storage Temp	-30°C~70°C (-22°F~158°F)
Relative Humidity	10%~90% (non-condensing)
Power input	DC12V5A/7A Power consumption 35W Or DC9~30 V Input (Optional) Or AC Adapter (output DC12V)
Qualification	Certifications CE, FCC, ClassA, ROHS
Mechanical	
Construction	Aluminum alloy
Mounting	Supports wall-mount and VESA-mount (Optional)
Weight	2.1kg (4.6 LBs)
Dimensions	234 x 122 x 54 mm (9.2"x4.8"x2.1")

3. POWER INPUT CONNECTOR



Power Brick Ultra's Power Wiring Diagram

DC+12V Power Supply



Computer connector :

- pin1- Ground
- pin2- Negative
- pin3- DC + 12 V

To Computer



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