

WEBS-8911

Embedded Rugged Fan-less System with
Intel Celeron® J6412 SoC, 2x PoE LAN and
16x DI + 16x DO support

Preliminary



System

CPU	Intel® Celeron® J6412
BIOS	AMI uEFI BIOS
Memory	1x non-ECC DDR4 2400MT/s SO-DIMM up to 32GB
Storage	1x mSATA
Watchdog Timer	1~255 levels programmable Watchdog Timer
Expansion	1x Full-size miniPCIe slot with SIM card holder (USB signal)

External I/O

Serial Port	- 1x RS-232/485 port (selectable via switch) - 1x RS-232
Display	- 1x HDMI (3840x2160@60Hz) - 1x VGA (1920x1080@60Hz)
USB	- 2x USB 3.0 ports - 2x USB 2.0 ports - 1x internal USB 2.0 Type A on-board
Ethernet	- 2x RJ45 PoE GbE connectors (Intel) - 1x RJ45 connector (Intel)
DIDO	- 16x DI NPN/PNP - 16x DO NPN/PNP, I _{max} : 500mA

Power Supply Unit

Power Input	DC 12~24V input, max. 90W
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Environmental

Operation Temperature	-20°C~60°C (-4°F~40°F)
Storage Temperature	-40°C~80°C (-40°F~176°F)
Relative Humidity	40°C, 95%RH non-condensing
Operation Vibration	1.5Grms/5-500Hz, IEC 60068-2-64
Operation Shock	20G, 11 msec, IEC 60068-2-27

Mechanical

Dimension	200 (W) x 154.5 (D) x 74.6 (H) mm
Weight	2.15 Kg
Mounting	Wall, DIN-rail mounting

FEATURES

- Fanless platform to support wide operating temperature -20 ~ 60°C with Intel® Celeron® J6412 SoC
- 1x SODIMM DDR4-2400MHz up to 32GB
- 3x RJ45 GbE Ethernet ports including 2x PoE support
- 1x RS-232 and 1x RS-232/485 selectable by switch
- 1x miniPCIe for Wi-Fi/4G options
- Support 16x DI NPN/PNP and 16x DO NPN/PNP with I_{max}: 500mA

Windows 10 IoT



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