PW BPC ECU 8173

OVERVIEW

PW BPC ECU 8173 is Made in India Box PC for Fan /Fanless operation for Electronic Control Modules include Intel® Celeron® Processor J6412 based Mini-ITX Board With dual channel DDR4 SO-DIMM memory & rich I/O sets, the Portwell WADE- 8173-J6412 Mini-ITX embedded board empowers energy efficient solutions for industrial automation applications. With over 1,00,000 hrs of MTBF Value, this ECU with WADE -8173-J6412 is ideal for industrial applications.
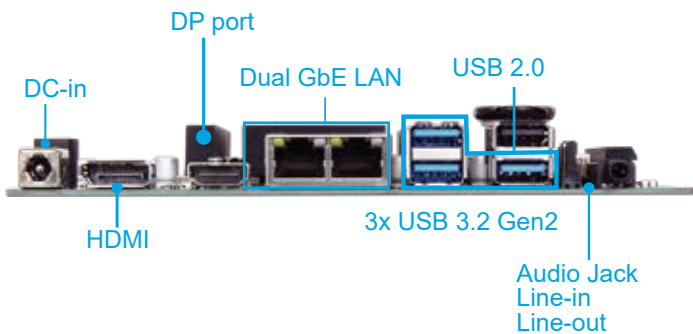
IMAGES

FEATURES

- Intel® Celeron® Processor J6412 (formerly Elkhart Lake)
- Two SO-DIMM support DDR4 DRAM up to 16GB
- Support dual Ethernet, 6x COM Ports
- Support 3x USB 3.2 Gen2, 5x USB 2.0, also additional USB ports.
- Supports 4x RJ45 connectors
- **The PW BPC ECU 8273 has two options:**
    1. With Aluminium Heat Sink for Fanless Operation
    2. With pre-installed FAN unit. Heat sink is not installed in this model.

DC-in
DP port
Dual GbE LAN
USB 2.0
HDMI
3x USB 3.2 Gen2
Audio Jack
Line-in
Line-out

SPECIFICATIONS

General	Processor	Intel® Celeron® processor J6412 in FCBGA1493 package,
		2.0 GHz (2.6 GHz turbo), 1.5 MB L2 Cache, 10W TDP
	BIOS	AMI uEFI BIOS
	Memory	Support 2x SO-DIMM sockets up to 32GB DDR4 3200 MHz non-ECC memory
	Storage Devices	1x SATAIII ports
	Watchdog Timer	Programmable watchdog timer
	Hardware Monitoring	Temperature (CPU & System)
	Expansion Interface	1x PCIe x1 Gen 3 1x M.2 Key E 2230 with PCIe x1 and USB 2.0 for Wireless 1x M.2 Key M 2242/2260/2280 with PCIex2 and SATA signal for SSD 1x full/half size Mini PCIe socket with PCIe x1(with SIM holder) 1x Full size SD card slot
I/O Interface	Audio	Intel® High Definition Audio interface Realtek® ALC897 High Definition Audio 1x audio jack support Line-out/Line-in
	Ethernet	2x RJ45 connectors on rear I/O (Realtek® RTL8111H) additional 2 RJ45 connectors
	Serial port	3x RS232 ports on pin header
	USB	3x USB 3.2 Gen2 on rear I/O, additional 2 USB 1x USB 2.0 on rear I/O 4x USB 2.0 on pin header
	GPIO	8-bit GPI/GPO
Display	Graphic Controller	Integrated Intel® UHD Graphics Supports DirectX 12, OpenGL 4.5, OpenCL 1.2
	Display Interface	Triple Displays DP1: resolution up to 4096x2160 HDMI: resolution up to 3840x2160 (Default)
	Dimension	170mm(L) x 170mm(W)
	Power Supply	12V DC in (1x external DC jack; 1x internal 4 pin power connector)
Mechanical & Environment	Environment	Operation Temperature: 0°C to 60°C Storage Temperature: -20°C to 80°C Relative Humidity: 5% to 95%, non-condensing
	MTBF of WADE 8173 J6412	Over 100,000 hours at 40°C

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www.portwell.in
*Specifications/images/drawing are subject to change without notice.