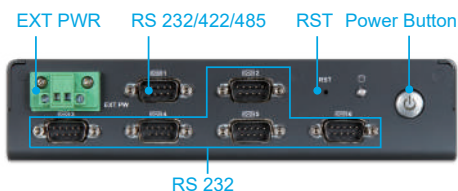
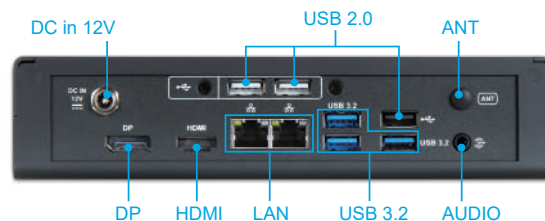




RICH-3310

Embedded Rugged Fan-less System with
Intel® Celeron® Processor J6412 based Mini-ITX Board



The RICH-3310 builds on Intel® Celeron® Processor J6412 technologies that can support dual DDR4 memory and 1x SATA Ports for storage. Support two Gigabit Ethernet ports , one M.2 E Key socket, one M.2 M Key socket, one full/half size Mini PCIe socket and one full size SD card slot. The RICH-3310 is an ideal platform with rich I/O and high resolution for POS, kiosk, digital signage, and factory automation applications.

FEATURES

- Intel® Celeron® Processor J6412
- Memory up to 32GB DDR4 3200 MHz SO-DIMM
- Support one DP and one HDMI display
- Support one M.2 E Key socket, one M.2 M Key socket, one full/half size Mini PCIe socket and one full size SD card slot.
- Support 6 x COM ports
- one x Antenna hole



System

M/B	WADE-8173-J6412
CPU	Intel® Celeron® Processor J6412 In FCBGA1493 package, 2.0GHz(2.6 GHz turbo), 1.5 MB L2 Cache, 10W TDP
BIOS	AMI uEFI BIOS
Memory	Up to 32GB DDR4 3200 on two SO-DIMM sockets
Storage	1 x SATAIII ports
Watchdog Timer	Programmable watchdog timer
H/W Status Monitor	Temperature (CPU & System)
Expansion	- 1x M.2 Key E 2230 with PCIe x 1 and USB 2.0 for wireless - 1x M.2 Key M 2242/2260/2280 with PCIe x 2 and SATA signal for SSD - 1x Full/Half size Mini PCIe socket with PCIe x1 (With SIM holder) - 1x Full size SD card slot

External I/O

Serial Port	6 x COM ports (1x RS-232/422/485)
Display	- 1x DP (resolution up to 4096 x 2160) - 1x HDMI (resolution up to 3840 x 2160)
USB	- 3x USB 3.2 Gen 2 - 3x USB 2.0
Audio	Audio Jack with Line-out with Realtek ALC897 Audio controller
Ethernet	2x RJ45 connectors (Realtek® RTL8111H)
Other	- 1x Antenna hole - 1x EXT Power Switch

Power Supply Unit

Power Input	DC 12V
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Environmental

Operation Temperature	0°C ~ 50°C
Storage Temperature	-40°C ~ 80°C
Relative Humidity	40°C, 95%RH non-condensing
Operation Vibration	5Grms/10-500Hz, IEC 60068-2-6
Operation Shock	50G, 11 msec, IEC 60068-2-27

Mechanical

Dimension	200 (W) x 200(D) x 45 (H) mm
Weight	2 Kg
Mounting	Wall mounting

