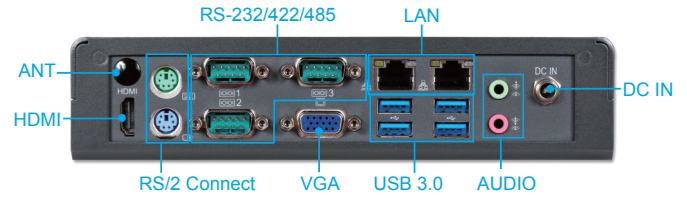


RICH-33B0-8171

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



The RICH-33B0-8171 builds on Intel® Celeron® Processor N3150, that can support dual channel DDR3L memory, support dual Gigabit Ethernet ports, one mSATA socket and one Mini-PCle socket. The RICH-33B0-8171 is ideal platform with rich I/O and high resolution for automation, POS, kiosk and digital signage applications.

FEATURES

- Fan-less system
- Intel® Celeron® Processor N3150 support
- Dual channel SO-DIMM socket up to 8G DDR3L memory
- 1x mSATA, 1x 2.5" SATA HDD/SSD (Option)
- 3x RS-232/422/485, 3x RS-232, 4x USB 3.0, 4x USB 2.0
- Dual Gigabit Ethernet Ports

ORDERING GUIDE

AS5-3447	(R).RICH-33B0-8171 Full. w/COMx6/USBx8/Dual LAN/PS2/Audio
AS5-3452	(R).RICH-33B0-8171-TBC. w/Ex.PSW/COMx6/USBx8/Dual LAN/PS2/Audio

System

M/B	WADE-8171
CPU	Intel® Celeron® Processor N3150
BIOS	AMI uEFI BIOS
Memory	Dual 204 pin SO-DIMM socket supports DD3L Memory up to 8GB
Storage	1x mSATA socket, 1x 2.5" HDD/SSD (Option)
Watchdog Timer	Programmable via S/W from 1 sec. to 255 sec.
H/W Status Monitor	Temperature (CPU & System)
Expansion	- 1x Full-size Mini-PCle socket (USB+PCle) + SIM Card holder - 1x Half-size Mini-PCle socket (mSATA+PCle) - 1x PCIe x4 slot (PCIe x1 signal)

External I/O

Serial Port	6 x COM (3x RS-232/42/485, 3x RS-232)
Display	1x VGA, 1x HDMI
USB	4x USB 3.0 (Rear), 4x USB 2.0 (Front)
Audio	Line-in/ Line-out
Ethernet	2x Gigabit Ethernet
GPIO	N/A
Other	1x Antenna hole for WiFi or 3G/GPS module

Power Supply Unit

Power Input	DC 12V ~ 24V
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Environmental

Operation Temperature	0°C ~ 50°C
Storage Temperature	-20°C ~ 80°C
Relative Humidity	95%@40°C, non-condensing
Operation Vibration	5Grms/10-500Hz, IEC 60068-2-6
Operation Shock	50G, 11 msec, IEC 60068-2-27

Mechanical

Dimension	200 x 200 x 45 (mm)
Weight	2 kg
Mounting	Wall mounting

