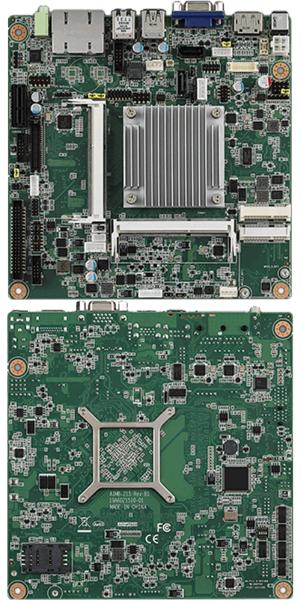


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AIMB-215 Mini-ITX





- Up to 8 GB DDR3L 1333 MHz SDRAM
- 6x Serial Ports (1x RS-232/422/485, 5x RS-232)
- 2x Gigabit Ethernet
- VGA/eDP 1.2 & 24-bit dual channel LVDS
- 7x USB Ports (6x USB 2.0, 1x USB 3.0)
- 2x SATA, 1x mSATA
- Two On-board SATA Connectors with Data Transmission up to 300 MB
- Controller: Embedded Gen7, Gfx frequency 688/313/313 MHz for J1900/N2930/N2807
- Display memory: Dynamically shared system memory of up to 224 MB
- VGA: Supports a display resolution of up to 2560 x 1600 @ 60 Hz
- LVDS: Supports a display resolution of up to 1920 x 1200 @ 60 Hz
- DisplayPort 1.2: Supports up to 2560 x 1600 @ 60 Hz
- Watchdog timer: Can generate a system reset.
- GPIO connector: One 8-bit general purpose input/output
- 1x PCIe Slot, 1x Full Size MiniPCIe and 1x Half Size MiniPCIe Socket
- SPI 16-Mbit BIOS (supports OS in legacy mode for 32 and 64 bit, and supports OS in UEFI mode for 64-bit)
- Supports SUSIAccess and Embedded Software APIs
- Operating temperature: $0 \sim 60 \degree C (32 \sim 140 \degree F, depending on the CPU)$
- Storage temperature: $-40 \sim 85 \text{ °C} (-40 \sim 185 \text{ °F})$
- Humidity: 5 ~ 95% non-condensing
- Power supply voltage: +12 V
- Power consumption:+12 V @ 2.03 A (Intel J1900 2.0 GHz processor/DDR3L 1333 MHz 4 GB x 2)
- Dimensions: 170 x 170 mm (6.69 x 6.69")
- Weight: 0.365 kg

The AIMB-215 B1 with Intel® CeleronTM J1900/N2930/N2807 processor is designed for industrial applications that require enhanced computing performance and power management capabilities. The motherboard features an onboard Intel® CeleronTM J1900/N2930/N2807 quad-core 2.0/1.83 and dual-core 1.58 GHz CPU with DDR3L 1333MHz of up to 8 GB. The AIMB-215 B1 offers rich I/O connectivity with one USB 3.0 and nine USB 2.0 ports, as well as six COM ports integrated in a standard 170 x 170 mm form factor. The system also supports dual display for LVDS, DP++ and VGA. AIMB-215 B1 also features numerous connectivity and expansion options, including PCIe x1, 8-bit GPIO, two SATA II 3GB/s connectors, an optional TPM security feature, and two Mini-PCIe expansion slots for easy integration. A dual Intel® chipset and 10/100/ 1000 Mbps Ethernet port are also provided to deliver high-speed networking. AIMB-215 B1 is powered by the newest Intel® CeleronTM processor, which is built on 22nm process technology. The thermal design power rating for the

Intel N2807 dualcore architecture is only 4.3 W, and that for the quad-core N2930/J1900 design is only 7.5 W/10 W, allowing additional power reductions, system compressions, and performance improvements to be implemented in the future. All the features described above are incorporated into a space-saving, power-efficient, and costeffective Mini-ITX form factor.

Specifications Mini itv Processor Processor. Intel® CeleronTM J1900 or N2930 or N2807 Quad Core Clock Speed: 2 GHz Real Time Clock: Memory Bios/ booiloader: AMI 16 Mbit SPI BIOS G Primary I/O 8-bit GPIO Disk Interface: 2x SATA / 2x colay mSATA (optional) Video Out: VGA/DP1.2 / 24-bit dual channel LVDS Audio: Line-in/Line-out/Mic-in Ethernet: 2x 10/100/1000 Mbps with RJ-45 USB: 7x USB Ports (6x USB 2.0 1x USB 3.0) Serial Ports: 6x (5x RS-232 1x RS-232/422/485) Watchdog: Secondary I/O Keypad: PS/2: Analog on A_{μ} . D/A: Dimensions Dimensions. 6.9×6.9 in Weight: 0.365 kg Form Factor: Mini-ITX Dimensions Misc.: 170 mm x 170 mm (6.69" x 6.69") Power Requirements 12 V

Environmental Low Operating remperature: 0 C High Operating Temperature: 60 C Upper Operating Humidity: 95%

Pricing Any D-215D

MINI-ITX, AIMB-215D-S6B1E, J1900 QC, 6xCOM, 1xUSB3, 7xUSB2, 2xGbE, VGA, HDMI/DP ** Portions of this Product are made in China: Pricing is subject to change, due to the current US-China Trade Tariff Charges. Please contact EMAC for detailed price quote. \$301.00

Order:

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Parent Product:

AIMB-215DZ-S6B1

MINI-ITX, AIMB-215D-WT, J1900 QC, 6xCOM, 1xUSB3, 7xUSB2, 2xGbE, VGA, HDMI/DP (-20-70C) ** Portions of this Product are made in China: Pricing is subject to change, due to the current US-China Trade Tariff Charges. Please contact EMAC for detailed price quote.

\$373.00

Order:

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Parent Product:

AIMB-215L

MINI-ITX, AIMB-215L-S6B1E, J1900 QC, 2xCOM, 1xUSB3, 3xUSB2, 1xGbE, VGA, HDMI/DP ** Portions of this Product are made in China: Pricing is subject to change, due to the current US-China Trade Tariff Charges. Please contact EMAC for detailed price quote. \$244.00

9244.00 Order:

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Parent Product:

AIMB-215N

MINI-ITX, AIMB-215N-S6B1E, N2930 QC, 6xCOM, 1xUSB3, 7xUSB2, 2xGbE, VGA, HDMI/DP ** Portions of this Product are made in China: Pricing is subject to change, due to the current US-China Trade Tariff Charges. Please contact EMAC for detailed price quote. \$318.00

Order:

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Parent Product:

AIMB-215U

MINI-ITX, AIMB-215U-S6B1E, N2807 DC, 2xCOM, 1xUSB3, 3xUSB2, 1xGbE, VGA, HDMI/DP ** Portions of this Product are made in China: Pricing is subject to change, due to the current US-China Trade Tariff Charges. Please contact EMAC for detailed price quote. ** Portions of this Product are made in China: Pricing is subject to change, due to the current US-China Trade Tariff Charges. Please contact EMAC for detailed price quote.

\$242.00

Order:

0 Parent Product:

Memory: SKU: PER-RAM-00161 PER-RAM-00161 \$30.00 Product State: Testing Variations: 4GB DDR3L 1.35V SODIMM Status: Active Call for Price: SKU: PER-RAM-00165 PER-RAM-00165 \$35.00 Product State: Final Variations: 2GB DDR3L 1.35V SODIMM (Industrial Temp -40 to 85C) Status: Active Call for Price: Displays: PER-LCD-00200-R LCD MOD CHAR 2X24 WH TRANSFL \$27.00

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