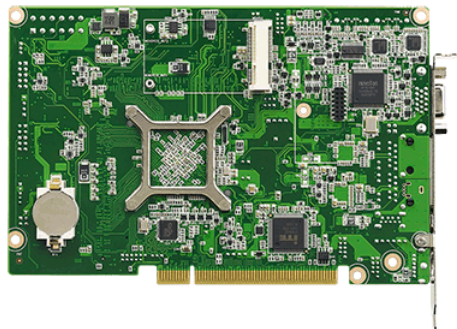
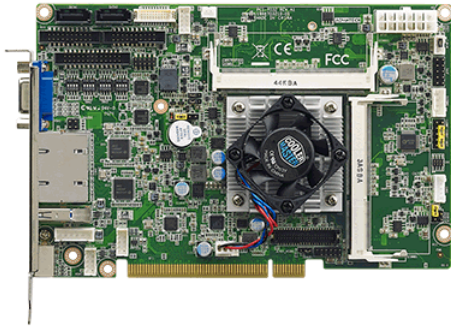


PCI-7032



DDR3L 1066/1333

4x RS-232/422/485 (G2), 2x RS-232/422/485 (VG)

J1900: 1x USB 3.0 / 6x USB 2.0 Ports (N2930: 1x USB 3.0/5x USB 2.0 Ports)

VGA/LVDS/DVI

2x 10/100/1000 Mbps with RJ-45

2x mSATA 2.0 (300 MB/s)

1x PCIe, PCI 4x 32 bit/33 MHz PCI Masters to Backplane

Intel High Definition Audio Interface (requires a audio extension module)

1x GPIO

Dual independent display: choosing two interfaces from VGA (default) LVDS (default) and DVI

VGA: Supports up to 2560 x 1600 @ 60 Hz

DVI: Supports up to 2560 x 1600 @ 60 Hz

LVDS: 48 bit (Dual channel 24 bit) LVDS up to 1920 x 1200 @ 60 Hz

Power Requirement: 12V

Operating Temperature; 0 ~ 60° C (32 ~ 140° F)

Operating Humidity: 40° C @ 85% RH Non-Condensing

Dimensions: 185 mm (L) x 122 mm (W) (7.3" x 4.8")

PCI-7032 is an Intel® based PICMG 1.0 half-size PCI interface single board computer. PCI-7032G2, with Intel® Celeron® J1900, offers a dual GbE LAN, high computing solution; PCI-7032VG, adopting Intel® Atom® N2930, provides a single GbE LAN and fanless computing core with high reliability that resists heat, dust, vibration and shock in any application environment. Both J1900 and N2930 SoC are designed for the embedded market. Besides computing speed enhancement with quad core architecture, the SoCs integrate DDR3L memory controller, PCIe Gen2 expansion and storage/display/audio functions in low power BGA type chips, offering energy saving products with only 7.5W to 10W thermal design power, providing customers with low power and rugged embedded solutions. In addition, SoCs support embedded OS, such as WES7, WES8, and Linux, fulfilling a variety of applications, for example, machine tool, CNC, textile machine, factory inspection facility, factory motion controller, and data acquisition center. PCI-7032 is rich in I/O interfaces: it has two SATA ports (300 MB/sec) for mainstream SSD (solid state disk), HDD, and ODD connections, and one of them can be configured as m-SATA for embedded OS installation as an economical, easy to maintain SSD device. Additionally, the dual Gigabit Ethernet LANs offer strong networking capability; PCI-7032G2 with four and PCI-7032VG with two serial ports (COM ports) can be used as reliable legacy device control interfaces, which can be configured into RS-232, RS-422, or RS-485 mode, helping system integrators to build safe and flexible legacy connections in factory. Users can also purchase the manufacturer's COM port upgrade module (P/N: PCA-COM485-00A1E/PCA-COM232-00A1E) to add four extra serial ports. In addition to board-level products, the manufacturer also offers a series of wall-mount chassis; with PCI-7032 joining the product portfolio, the manufacturer now can provide compact-size, low-power and high-reliability system-level solutions for industrial customers. With outstanding performance, and flexible expansion capability, PCI-7032 is an ideal computing platform for modern industrial applications.

Specifications

SLC type.

Single Board Computers > 1 GHz
Processor

Processor:

Intel® Celeron J1900 (2.0GHz) / N2930 (1.83GHz) Ultra Low Power

Clock Speed:

2 GHz

Real Time Clock:

Memory

BIOS/ Bootloader:

AMI 64Mb SPI Flash Bus PCI-Express PCIe x 1 (F SKU only)

Primary I/O

GPIO:

1x GPIO

Disk Interface:

2x mSATA 2.0 (300 MB/s)

Video Out:

VGA/LVDS/DVI

Audio:

Intel High DefinitionAudio Interface (requires a audio extension module)

Ethernet:

2x 10/100/1000 Mbps with RJ-45

USB:

J1900: 1x USB 3.0 / 6x USB 2.0 Ports (N2930: 1x USB 3.0/5x USB 2.0 Ports)

Serial Ports:

4x RS-232/422/485 (G2) & 2x RS-232/422/485 (VG)

Watchdog:

Secondary I/O

LED Port:

Keypad:

PS/2:

Analog on

A/D:

D/A:

Dimensions

Dimensions:

7.3 × 4.8 in

Form Factor:

Half Size PCI Card

Dimensions Misc.:

185 mm (L) x 122 mm (W) (7.3" x 4.8") Board weight: G2: 0.264 Kg / VG SKU:0.198 Kg

Power Requirements

Voltage:

12 V

Typical Current:

0.73 A

Environmental

Low Operating Temperature:

0 C

High Operating Temperature:

60 C

Upper Operating Humidity:

85%

Environmental Misc.:

Operating Humidity: 40° C @ 85% RH Non-Condensing

Pricing:

PCI-70321, HS-PCI, J1900, 2xSODIMM, 4xCOM, 1xUSB3, 6xUSB2, 2xGbE, mini-PCle, VGA

\$350.00

Order:

0

Parent Product:

PCI-7032G2

HS-PCI, J1900, 2xSODIMM, mSATA, 4xCOM, 1xUSB3, 6xUSB2, 2xGbE, LVDS, DVI, VGA ** 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.

\$447.00

Order:

0

Parent Product:

PCI-7032VG

HS-PCI, N2930, 1xSODIMM, mSATA, 2xCOM, 1xUSB3, 5xUSB2, 1xGbE, LVDS, DVI, VGA ** 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.

\$421.00

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:

Source URL: <https://www.emacinc.com/content/pci-7032-0>