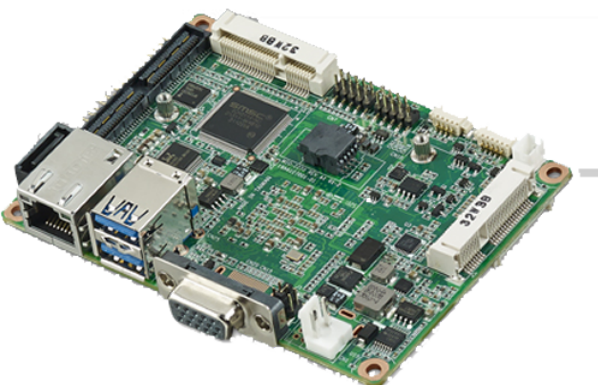
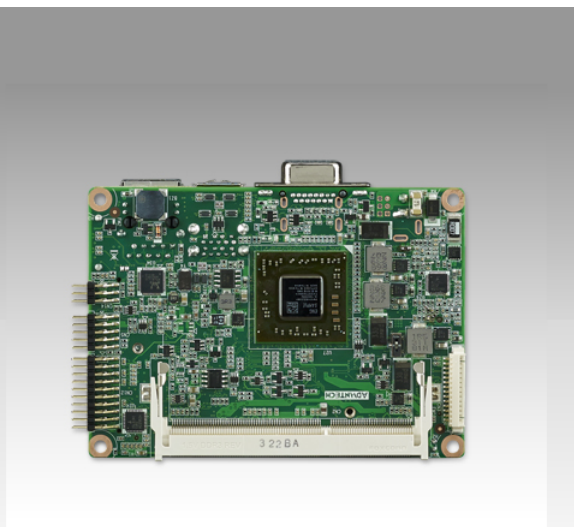


MIO-2270 P-ITX



AMD® G-series SoC Dual-Core 1.0 GHz (GX-210JA) / Quad-Core 1.5 GHz (GX-415GA)

Up to 8GB DDR3 / DDR3L 1066 MHz for GX-210JA / 1600 MHz for GX-415GA

1x RS-232, 1 x RS-232/422/485

2x USB 2.0 Ports / 2x USB 3.0 Ports

10/100/1000 Mbps with RJ45

VGA/LVDS/HDMI

AMI EFI 32 Mbit Flash BIOS

System Chipset: AMD® G-series SoC GX-210JA/GX-415GA

Watchdog Timer

1x half-size mini PCIe slot

1x MIOe connector: supports 2 x USB 2.0, 2 x PCIe x1, LPC, HD audio lineout, SMBus, DP (or HDMI, supported upon request), 5 Vsb / 12 Vsb power

8-bit GPIO

VGA: 2048 x 1536 60 Hz at 267 MHz Max

LVDS: 18-bit LVDS1, up to 1600 x 900

HDMI: Up to 1920 x 1200 (1080p)

Dual independent display: VGA + LVDS or HDMI + LVDS

1x mSATA by Mini-Pcie socket (integrates USB signals, and supports either mSATA or USB interface modules)

1x SATAIII (600 MB/s maximum data transfer rate)

2D Acceleration/3D Acceleration

Operating Temperature: 0 ~ 60? C (32 ~ 140?F)

Operational Humidity: 40? C @ 95% RH Non-Condensing

100 x 72 mm (3.9" x 2.8")

Weight 0.45 kg (0.99 lb), weight of total package

Total Height: 33.59mm for MIO-2270D / 40.89mm for MIO-2270Q

MIO-2270 is a MI/O-ultra single-board computer (SBC) with AMD® embedded Gseries SoC dual-core GX-210JA 1.0 GHz and quad-core GX-415GA 1.5 GHz processors. MIO-2270 supports up to 8 GB of DDR3 or DDR3L memory, features two USB 2.0 and two USB 3.0-compatible ports, one GbE (up to 1000 Mbps) interface, LVDS and VGA or HDMI support, high definition (HD) audio, and one half-size mini-Pcie and MIOe expansion slot. In addition, MIO-2270 accommodates one SATA drive, two COM ports, one SMBus, one GPIO and one half-size mSATA slot. The innovative multiple I/O (MI/O) extension SBC is equipped with flexible MI/O to assist integrators with developing optimized solutions.

Specifications

SLC type.

P.1111

Processor

Processor.

Embedded AMD® G-Series SoC GX-415GA/ GX-210JA

Clock Speed:

1.5 GHz

Real Time Clock:

Processor Misc.:

AMD® G-Series SoC GX-415GA Quad-Core 1.5 GHz

AMD® G-Series SoC GX-210JA Dual-Core 1.0 GHz

Memory

BIOS/Bootloader:

AMI EFI 32 Mbit

Primary I/O

GPIO:

8-bit GPIO

Disk Interface:

1x SATA III

Video Out:

VGA/LVDS/HDMI

Audio:

Realtek ALC888S

High Definition Audio (HD)

Line-In

line-out

Ethernet:

10/100/1000 Mbps

USB:

2x USB 2.0 Ports / 2x USB 3.0 Ports

Serial Ports:

1x RS-232 / 1x RS-232/422/485

Watchdog:

Secondary I/O

UART Port:

Keypad:

PS/2:

Analog on

ADC:

D/A:

Dimensions

Dimensions:

3.9 × 2.8 in

Weight:

0.99 lb

Form Factor:

Pico-ITX

Dimensions Misc.:

100 x 72 mm (3.9" x 2.8") 40.89mm (Height) for MIO-2270Q

Power Requirements

Voltage:

12 V

Power Misc.:

MIO-2270QH-S5A1E: w/ DDR3 1.05A @ 12V (12.6W), w/ DDR3L 1.02A @ 12V (12.24W)

MIO-2270DV-S0A1E: w/ DDR3 0.494A @ 12V (5.93W), w/ DDR3L 0.491A @ 12V (5.89W)

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

Pricing
MIO-2270JDV-S0A1E

Pico-ITX, MIO-2270D, GX-210JA DC, 2xCOM, 2xUSB3, 2xUSB2, 1xGbE, Audio, 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.
\$240.00

Order:
0
Parent Product:

MIO-2270QH-S5A1E

Pico-ITX, MIO-2270QH, GX-415GA QC, 2xCOM, 2xUSB3, 2xUSB2, 1xGbE, Audio, HDMI ** 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.
\$360.00

Order:
0
Parent Product:

MIO-2270QV-S5A1E

Pico-ITX, MIO-2270Q, GX-415GA QC, 2xCOM, 2xUSB3, 2xUSB2, 1xGbE, Audio, 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.
\$360.00

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Parent Product:

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