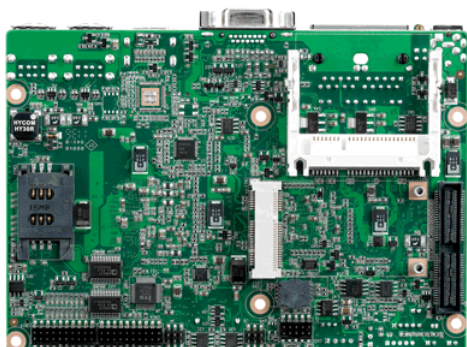
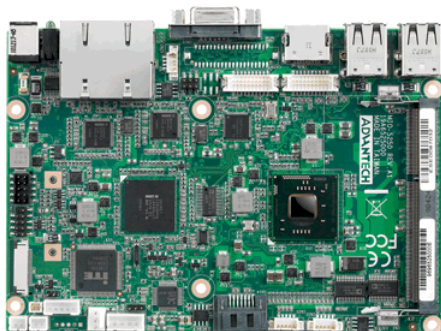


MIO-5250 3.5" SBC



Up to 4 GB DDR3 800MHz (N2600)/DDR3 1066 MHz (D2550)

2x RS-232, 2x RS232/422/485

2x 10/100/1000Mbps with 2x RJ45 on Rear I/O

1x SATA II, 1x mSATA/CFast

DirectX 9 18/24-bit LVDS1/48-bit LVDS2/HDMI/VGA

2x USB 2.0 Ports

DirectX 9, multiple display: 18/24-bit LVDS1, 48-bit LVDS2, HDMI, VGA

Flexible design using integrated multiple I/O: MIOe to approach vertical applications & keep domain knowhow.

2 GbE support, HD Audio, Rich I/O interface with 4 COM, 1 SATA, I2C or SMBus, 8-bit GPIO, PCIe Mini Card & CFast

Supports iManager, SUSIAccess and Embedded Software APIs

Realtek ALC892 (HD) Line-in Line out / Mic-in / Optional via MIOe

8-bit GPIO

Watchdog

AMI EFI 16Mbit

Single 12V $\pm$ 10%

Operating temperature: 0 ~ 60°C (32~140°F)

Operating Humidity: 0% ~ 90% Relative Humidity, non-condensing

Dimensions: 146 x 102 x .20mm

The manufacturer created the stackable architecture MI/O Extension Single Board Computer as a SBC design with flexible and multiple I/O support (hence the name MI/O) and united extended interface connector. MIO-5250 is a MI/O-Compact SBC (Single oard Computer) with Intel® Atom™ Cedar Trail ultra low power solution supporting up to 4GB 800/1066MHz DDR3, 6 USB2.0, SATAII (300 MBs), 4 COM and 2 GbE (up to 1000 Mbps). MIO-5250 supports dual displays, including VGA+LVDS, VGA+HDMI, and HDMI+LVDS. Also have flexible storage option, including mSATA and CFast. In addition, MIO-5250 supports DisPlayPort, PCIe x1, USB2.0, LPC, SMBus, HD audio line out and Power from MIOe. Users can choose from a standard module or design their own modules to secure domain knowledge and expedite their design schedule.

Specifications
SBC type.

Single Board Computers 3.5 Inch

Processor
Processor.

Embedded Intel® Atom™ N2600 or D2550 Dual Core

Clock Speed:

1.86 GHz

Real Time Clock:

Processor Misc.:

CPU: Intel® Atom

• N2600 (Dual Core 1.6GHz) on MIO-5250N-S6A1E

• D2550 (Dual Core 1.86GHz) on MIO-5250D-S8A1E

Chipset: Intel® Atom N2600 / D2550 + NM10

Memory
BIOS/ Bootloader:

AMI EFI 16Mbit

Primary I/O
GPIO:

8-bit GPIO

Disk Interface:

1x SATA II / 1x mSATA / CFast

Video Out:

Realtek ALC892 (HD) Line-in / Line out / Mic-in / Amplifier Optional via MIOe

Audio:

Realtek ALC892 (HD) Line-in Line out / Mic-in / Optional via MIOe

Ethernet:

2x 10/100/1000Mbps with 2x RJ45 on Rear I/O

USB:

2x USB 2.0 Ports

Serial Ports:

2x RS-232 / 2x RS232/422/485

Watchdog:

Secondary I/O
LPI Port:

Keypad:

PS/2:

Analog on
A/D:

D/A:

Dimensions
Dimensions:

5.7 × 4 in

Weight:

0.74 kg

Form Factor:

3.5 SBC

Dimensions Misc.:

146 x 102 x 29 mm (5.7" x 4"), same as 3.5"

Power Requirements
Voltage:

12 V

Environmental
Low Operating Temperature:

0 C

High Operating Temperature:

60 C

Upper Operating Humidity:

90%

Environmental Misc.:

Operating temperature: 0 ~ 60°C (32~140°F)

Operating Humidity: 0% ~ 90% Relative Humidity, non-condensing

Storage temperature: -40~85°C

Pricing
MIO-5250D-S8A1E

3.5" SBC, MIO-5250D, D2550 DC, 4xCOM, 6xUSB2, 2xGbE, Audio, VGA, HDMI

\$320.00

Order:

0

Parent Product:

MIO-5250DZ22GS8A1E

3.5" SBC, MIO-5250D-IT, D2550 DC, 2GB RAM, 4xCOM, 6xUSB2, 2xGbE, Audio, VGA, HDMI (-40-85C)

\$480.00

Order:

0

Parent Product:

MIO-5250N-S6A1E

3.5" SBC, MIO-5250N, N2600 DC, 4xCOM, 6xUSB2, 2xGbE, Audio, VGA, HDMI

\$305.00

Order:

0

Parent Product:

MIO-5250NZ22GS6A1E

3.5" SBC, MIO-5250N-IT, N2600 DC, 2GB RAM, 4xCOM, 6xUSB2, 2xGbE, Audio, VGA, HDMI (-40-85C)

\$465.00

Order:

0

Parent Product:

MIO-5250NZ-2GS6A1E

3.5" SBC, MIO-5250N-WT, N2600 DC, 2GB RAM, 4xCOM, 6xUSB2, 2xGbE, Audio, VGA, HDMI (-20-80C)

\$425.00

Order:

0

Parent Product:

Memory:

SKU: PER-RAM-00130-R

PER-RAM-00130-R

\$21.00

Product State:

Final

RAM types:

DDR3 SODIMM

Variations:

2GB, DDR3, SODIMM 204P PC3-8500

Status: Active

Call for Price:

SKU: PER-RAM-00131-R

PER-RAM-00131-R

\$0.00

Product State:

Spec Ready

RAM types:

DDR3 SODIMM

Variations:

SODIMM 204P PC3-8500 DDR3 2GB industrial temperature (-40 to 80 C)

Status: Active

Call for Price:

Source URL: <https://www.emacinc.com/content/mio-5250-35-sbc>