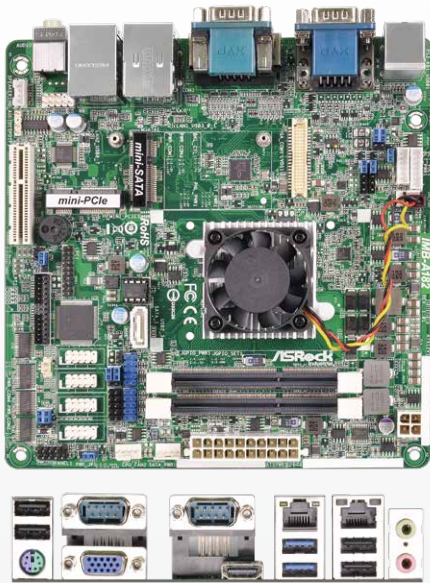


IMB-A182P

Mini-ITX Motherboard



Spotlight Features

- AMD Embedded G-Series GX-424CC SOC processor
- Support DDR3 1866 MHz
- 1 x HDMI, 1 x VGA, 1 x LVDS
- 2 x USB 3.0, 8 x USB 2.0, 1 x SATA3, 6 x COM
- 1 x Mini-PCIe, 1 x PCIe x4, 1 x mSATA
- 2 x Realtek LAN
- 1 x TPM Header
- 12V~24V DC-In (4-pin ATX PWR Con)/20-pin ATX PWR con

Specifications

Processor System

Dimensions	Mini-ITX (6.7-in x 6.7-in)
CPU	GX-424CC, QC, 25W, 2.4GHZ
Chipset	SOC

Expansion Slot

PCIe	1 x PCIe x4
Mini-PCIe	1 x half size
M.2	N/A
mSATA	1

Memory

Technology	Single Channel DDR3 1866 MHz
Max	16GB
Socket	2 x SO-DIMM

Graphics

Controller	By CPU
VGA	1
LVDS	supports 24-bit dual channel LVDS
eDP	N/A
HDMI	1
DVI	N/A
DisplayPort	N/A
Multi Display	Dual Display

Ethernet

Interface	10/100/1000 Mbps
Controller	1 x Realtek RTL8111E, 1 x Realtek RTL8111DP

Rear I/O

VGA	1
HDMI	1
DVI-I/D	N/A
Display Port	N/A
Ethernet	2
USB	2 x USB 3.0, 4 x USB 2.0
Audio	2 (Mic-in, Line-out)
Serial	2 x COM (RS-232/422/485)
PS/2	1 x PS/2 Combo

Internal Connector

USB	4 x USB2.0 (2 x Header)
LVDS	1
eDP	N/A
VGA	N/A
Serial	4 x COM (RS-232)
SATA	1 x SATA3
Parallel	1
GPIO	4 x GPI + 4 x GPO
SATA PWR Output Con	N/A
Speaker Header	1
TPM	1 x Header

Watchdog Timer

Output	Output from super I/O to drag RESETCON#
Interval	256 Segments, 0,1,2...255 Sec/Min

Power Requirements

Input PWR	12V~24V DC-In (4-pin ATX PWR Con)/20-pin ATX PWR con
Power On	AT/ATX Supported AT : Directly PWR on as power input ready ATX : Press button to PWR on after power input ready

Environment

Operating Temperature	0°C – 60°C
Storage Temperature	-40°C – 85°C