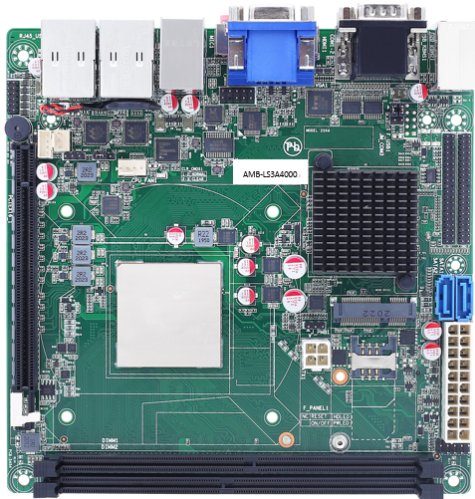


AMB-LS3A4000

Loongson® LS3A4000 Processor Quad core 2.0GHz SBC



Specification

System

CPU	Onboard Loongson® LS3A4000, Quad-Core, 1.8GHz-2.0GHz
Memory	2 x DDR4 non-ECC U-DIMM Slot, Up to 32GB
BIOS	PMON
WatchDog Timer	Software programmable 0~255 sec.(0=disable)

Video

Video Interface	1 x HDMI (TYPE-A): 1920x1080@60Hz 1 x VGA (DB15/F): 1920x1080@60Hz
-----------------	---

Storage

mSATA	1 x mSATA
SATA	2 x SATA Gen3 6Gbps

I/O

Ethernet	2 x RJ45 GbE LAN
Expansion Slot	1 x Mini-PCIe, 1 x Full Size SIM Crad , 1 x PCI-E 16x
Serial Port	2 x RS232 COM1/2(DB9) 1 x RS232/RS485 COM3(Pin header) 3 x RS232 COM4/5/6(Pin header)
USB	4 x USB3.0 6 x USB2.0
GPIO	8 x GPIO
PS/2	1 x PS/2 Connector (Keyboard & Mouse)
Audio	Realtek ALC269 HDA Codec

Power Requirement

Power Input	ATX Standard (20P + 4P) 1 x ATX 4P CPU Power Input Connector 1 x ATX 20P Power Input Connector
-------------	--

Software

OS Support	Loongnix (Linux)
------------	------------------

Features

- Onboard Loongson® LS3A4000, Quad-Core, 1.8GHz-2.0GHz
- 2 x DDR4 non-ECC U-DIMM Slot, Up to 32GB
- 1 x mSATA
- 2 x SATA Gen3 6Gbps
- 6 x COM
- 4 x USB 3.0
- 6 x USB2.0
- 2 x RJ45 GbE LAN



Mechanical & Environment

Dimension	170mm x 170mm
Operating Temp.	0~60°C (32~140°F)
Storage Temp.	-20~75°C (-4~167°F)
Relative Humidity	5-95%, non-condensing
Safety	CE, FCC compliant

Packing List

- 1 x AMB-LS3A4000
- 1 x Quick user guide

Ordering Information

AMB-LS3A4000	1 x AMB-LS3A4000 (2.0GHz CPU ,6 x RS232, 1 x mSATA, 2 x SATA ,2 x LAN, 1x PS/2) 1 x Quick User Guide
--------------	---