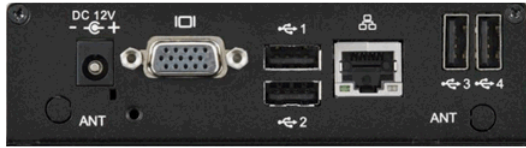


SIB-A1122



Please consider the SIB-A1123 for new product design.

This product is being Phased out and is NRND

Last time buy date is 3/31/2018

Intel® Atom™ Dual Core N2800 1.86 GHz or Dual Core N2600 1.6 GHz Fanless Processor

4GB DD3 1066MHz SDRAM SODIMM

Up to 2x RS-232, 2x RS-232/422/485

Up to 4x USB 2.0 Ports

Up to 2x 10/100/1000 Mbps Ethernet

2.5" SATA HDD/SSD/mSATA

HDMI & VGA Video Output

HD Audio Codec - Realtek ALC892, with Line-in, Line-out

AMI 16 Mbit Flash BIOS

Up to 1x half size Mini-PCIe & 1x full size Mini- PCIe (ARK-1122F only)

Low Power

AC to DC 12 V/3 A, 36 W

Wide Temperature

-20 ~ 60° C (With extended temperature SSD/mSATA devices)

0 ~ 40° C (With standard temperature HDD/SSD/mSATA devices)

95% @ 40°C (non-condensing) Relative Humidity

5.27" x 1.7" x 3.71" (94.2 x 133.8 x 43.1 mm)

The SIB-A1122 fanless Embedded Box Computer is an ideal, application-ready system platform solution. All electronics are protected in a compact, sealed, aluminum case for easy embedding in the customer's own housing, or as a stand-alone application where space is limited and the environment harsh. The solid, sealed aluminum case offers vibration and dust resistance while also providing a passive cooling solution. The SIB-A1122 provides system integrators with a turn-key solution and versatile application development path without breaking the bank or missing time-to-market deadlines. SIB-A1122 is designed as a palm-size fanless embedded system and occupies only 133.8 x 43.1 x 94.2 mm (5.27" x 1.70" x 3.71"). The rugged, cast aluminum case not only provides great protection from EMI, shock/vibration, cold and heat, but also passive cooling for quiet, fanless operation. SIB-A1122 meets demands by offering up to 1 x VGA, 1 x HDMI, 2 x Giga LAN, 4 x USB 2.0 ports, and 4 x COM ports (by SKU); all packed into a compact rugged unit and powered by an Intel® Atom™ N2600/N2800 processor. SIB-A1122 also supports both 2.5" SATA HDD, mSATA and SSD for storage options (by SKU) even though it is a palm-size system. Besides, SIB-A1122 is a low-power-consumption system and it is powered by DC 12 V input. The SIB-A1122 provides for diversified application fields.

Specifications

Processor:

Intel® Atom™ Dual Core Processor

Clock Speed:

1.86 GHz

Real Time Clock:

Memory

RAM Type:

DDR3 1066GHz SDRAM SODIMM

BIOS/ Bootloader:

AMI BIOS

Primary Flash:

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

Secondary Flash:

2.5 Inch SATA HDD/SSD/mSATA

Memory Misc.:

Up to 4GB DDR3 SODIMM

Primary I/O

Video Out:

HDMI & VGA

Audio:

HD Audio Codec - Realtek ALC892

with Line-in

line-out

Ethernet:

10/100/1000 Mbps with Up to 2x RJ45

USB:

Up to 4x USB

Serial Ports:

Up to 2x RS-232

2x RS-232/422/485

Watchdog:

Secondary I/O

LPT Port:
Keypad:
PS/2:

Expansion Bus:
Up to 1x half size Mini-PCIe & 1x full size Mini- PCIe

Analog A/D:
D/A:

Dimensions Dimensions:
5.27 × 1.7 × 3.71 in
Weight:
455 g

Power Requirements Voltage:
12 V
Typical Current:
3 A
Power Misc.:

AC to DC 12 V/3 A, 36 W

Environmental Low Operating Temperature:
-20 C
High Operating Temperature:
60 C
Upper Operating Humidity:
95%
Environmental Misc.:

95% @ 40°C (non-condensing)

Pricing
SIB-A1122-C00-R
ARK-1122C, Intel® Atom™ Dual Core N2600 1.6 GHz, 4x COM, 4x USB2, Gig-LAN, VGA
\$391.00
Order:
0
Parent Product:

SIB-A1122-F00-R
ARK-1122F, Intel® Atom™ Dual Core N2800 1.86 GHz, 1xRS232, 3x USB2, 2x Gig-LAN, Audio, VGA & HDMI
\$468.00
Order:
0
Parent Product:

SIB-A1122-H00-R
ARK-1122H, Intel® Atom™ Dual Core N2600 1.6 GHz, 1xRS232, 4x USB2, Gig-LAN, VGA & HDMI

\$497.00

Order:

0

Parent Product:

Cables & Adapters:

CAB-80-020

C5 US cord "Mickey Mouse" three round.

\$8.00

Disk Interface:

SATA & mSATA

Source URL: <https://www.emacinc.com/content/sib-a1122-0>