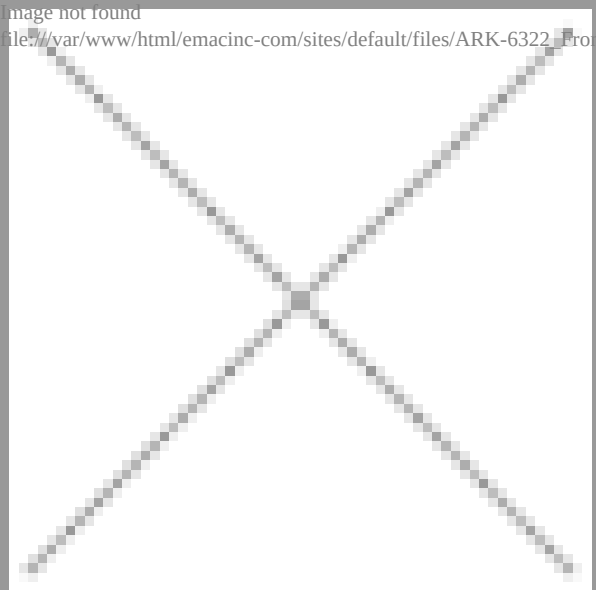


Deluxe Server-In-a-Box (SIB)

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Intel Celeron J1900, Quad-Core 2.0 GHz fanless processor

2x DDR3 SODIMM RAM Expandable to 8GB

mSATA flash or 2.5 inch SSD/HDD and 3.5" drive capable

Dual Independent Display

- Video HDB15 Analog VGA
- Display port

Dual Gigabit Ethernet Realtek 8111E GbE

5x RS-232

1x RS-232/485/422 (com2)

7x USB 2.0 ports

1x USB 3.0 port

Audio Line-Out

Watchdog Timer

Extremely Reliable (No Hard Drive or CPU Fan)

Power On/Off Switch, & Indicator LEDs

external Desktop AC Power Supply

The Deluxe SIB fanless embedded box computer is a value, intelligent and application focus system powered by an Intel Celeron J1900 Quad-Core processor with multiple I/O ports. The solid aluminum top cover and sealed chassis offers vibration, shock and dust resistance with a passive cooling solution that provides quiet and reliable operation. Computing system with multiple I/O ports Deluxe SIB uses an Intel Celeron J1900 Quad-Core processor at 2.0GHz default setting and up to 2.41GHz with turbo boost setting on. Memory supports a maximum 8G DDR3L 1333Mhz. Compared to Intel Atom D510/D525 processors, the CPU performance increase is 150% and the graphic performance offers a significant improvement. Deluxe SIB not only provides dual display, VGA and display port, six COM ports, eight USB ports including one USB 3.0, dual LAN ports and one reserved DIO, but also provides dual storage, mSATA and a hard drive of either 2.5 or 3.5 inch HDD for massive data storage. Purchase an EMAC SIB and you should be up, running and building applications the first day. [Click Here for more information on EMAC's Linux for SIBs.](#) [Click Here for more information on EMAC's XPE for SIBs.](#)

Specifications

Processor:

Intel ® Celeron ® J1900 Quad Core 2.0 GHz

Clock Speed:

2 GHz

Real Time Clock:

Memory

RAM type:

2 x 204-pin SODIMM Dual Channel DDR3 1333

Primary Flash:

mSATA Flash

Secondary Flash:

2.5 inch SATA SSD/HDD

Memory Misc.:

RAM: Expandable to 8GB

Flash: mSATA SSD, or 2.5 inch SATA SSD

Shock Mounted Hard Drive (Option)

Primary I/O

GPIO:

8x GPIO optional

Video Out:

VGA & Display Port

Audio:

line-out

Ethernet:

2x 10/100/1000 BaseT Gigabit Ethernet RTL8111E

USB:

1x USB 3.0

7x USB 2.0
Serial Ports:
5x RS-232 & 1x RS-232/485/422
Watchdog:
Primary I/O Misc.:
CRT + Displayport

802.11g Wireless (Option)

Secondary I/O
LPT Port.

Keypad:

PS/2:

Expansion
Bus.

mini-PCIe Half-sized

Bus Misc.:

Optional ARK Plus Mechanical Kit

P/N	Description
AMO-1101	Mechanical kit for 2nd layer expansion

Optional iDoor Expansion

Part Number	Description
MOS-2230-Z1201E	CANBus module, 2-Ch, USB Interface
MOS-2220-X1101E	Parallel LPT module, 1-Ch, USB Interface
MOS-2110Z-1201E	USB module, 2-Ch, PCIe Interface
MOS-2120-Z1101E	Giga LAN Ethernet module, 1-Ch, PCIe Interface
MOS-1130Y-0201E	Isolated CANBus, 2-Ch, DB9, PCIe Interface
MOS-1110Y-0101E	Isolated 16 DI/8 DO, 1-Ch, DB37, PCIe Interface
MOS-2220-Z1101E	High Speed COM module, 1-Ch, USB Interface
MOS-1120Y-0202E	Isolated RS-232, 2-Ch, DB9, PCIe I/F
MOS-1121Y-0202E	Isolated RS-422/485, 2-Ch, DB9, PCIe I/F
MOS-1120Y-1402E	Non-Isolated RS-232, 4-Ch, DB37, PCIe I/F
MOS-1121Y-1402E	Non-Isolated RS-422/485, 4-Ch, DB37, PCIe I/F
MOS-2120-Z1201	Dual Intel I210 GbE LAN, 2-Ch, PCIe I/F

Analog
A/D.

D/A:

Dimensions
Dimensions.

7.87 × 7.87 × 2.52 in

Weight:

2 kg

Power Requirements
Voltage.

12 V

Power Misc.:

Power supply:	
◦ 12V 5A 60W	
Power consumption:	
◦ Typical 15.7 W, Max. 24.7 W	
Environmental Low Operating Temperature:	
0 C	
High Operating Temperature:	
50 C	
Upper Operating Humidity:	
95%	
Environmental Misc.:	
Operating Humidity: 5% ~ 95% @40°C Relative Humidity, non condensing	
Pricing	
ARK-6322-Q0A	
Bare ARK-6322 J1900 4x2.0 GHz, 2x SODIMM, mSATA, SATA, 6x COM, 1x USB 3, 7x USB 2, Audio, 2xGbE LAN, VGA, DP, 0° to 50°C	
\$425.00	
Parent Product:	
ARK-6322-Q0B	
Bare ARK-6322 J1900 4x2.0 GHz, 2x SODIMM, mSATA, SATA, 6x COM, 1x USB 3, 7x USB 2, 2xGbE LAN, VGA, DP, 0° to 50°C	
\$545.00	
Parent Product:	
Power Supply:	
external	
Power Adapters:	
PER-PWR-0108PR	
12v 5A 60W Desktop Power Supply, barrel 2.5mm right angle (requires AC power cord)	
\$18.00	
Disk Interface:	
SATA	

Source URL: <https://www.emacinc.com/content/deluxe-server-box-sib>