

Published on EMAC Inc. (https://www.emacinc.com)

Source URL: https://www.emacinc.com/content/som-db5700

## SoM-DB5700



Standard ATX form factor (7.5" x 12.0")

1 Giga LAN or 10/100 Base T with RJ-45 connector

1 serial RS232 port and 1 RS232/422/485 port

Keyboard/Mouse connectors

8 USB 2.0

2 PCI Slots

4 PCIe Slots

1 Express Slot

1 MiniPCI and 1 ISA Slots

VGA DB15 Video Connector and LCD connector

High Definition Audio

4 SATA and 1 IDE connectors

ATX power connector

The SOM-DB5700 is versatile SOM Carrier/Socket board ideal for evaluation and early development work. This Carrier is designed to work with all COM Express type SOMs. The SOM-DB5700 provides access to all the SOM's I/O through on-board connectors.

Although a good deal of customers will want a Carrier that is unique and is designed specifically for their application, the DB5700 when coupled with a COM Express SOM makes for a nice ATX compatible embedded PC.

custom Carrier designer does not have to worry about the processor, memory, and standard I/O functions and can concentrate on the I/O and dimensional aspects required for the application.

In situations where a custom Carrier is required but the customer does not have the capability to design such a board in-house, EMAC's Custom to Order Services (COS) can be utilized. Using COS, the customer can select from a library of standard I/O blocks. These blocks can be put together quickly into a form-factor of the customer's choosing, providing prototypes in as little as 30 days.

can be put together quickly into a form-factor of the customer's choosing, providing prototypes in as little as 30 days.
Specifications
SOM Type:
COM Express Carrier Boards
Processor Real Time Clock:
Primary I/O
VGA DB15 Video Connector and LCD connector
Audio:
High Definition Audio
Ethernet:
1 Giga LAN or 10/100 Base T with RJ-45 connector
USB:
8x USB 2.0
Serial Ports:
2x Serial Ports (1x RS232
1x RS232/422/485)
Watchdog:
Ll Fort.
Keypad:
PS/2:
Analog on A.L.
D/A:
Dimensions Dimensions.
$7.5 \times 12 \text{ in}$
Power Requirements
Voltage Requirements: Typical 3.3 & 5 Volts (12 Volts may be required depending on the SOM being used)
voltage Requirements. Typical 5.5 & 5 volts (12 volts may be required depending on the solvi being used)
Current Requirements: The SOM-DB5700 requires very little current. (Current requirements are basically that of the SOM being used)
Environmental Low Operating Temperature: 0 C
High Operating Temperature:
60 C
Upper Operating Humidity:
90%

Sowi-DB 700-0

COM express development carrier board

\$315.00

Base Product:
SoM-DB5700
SoM-DB5700G
COM Express Development Carrier Board WITH gLAN
\$293.00
Base Product:
SoM-DB5700
Non-Stock NCNR:
0

Source URL: https://www.emacinc.com/content/som-db5700