EMAC, inc.
EQUIPMENT MONITOR AND CONTROL
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SoM-6760

Intel® Atom processor

Supports DDR2 SODIMM up to 2 GB

Intel® System Controller Hub US15W

Supports 8 USB 2.0 ports

Intel 10/100 Mbps LAN

Intel® Graphics Media Accelerator 500

SOM-6760 is an embedded COM-Micro Type 2 CPU module. The new CPU module supports Intel Z510 (1.1 G) or Z530 (1.6 G) processor by Intel System Controller Hub US15W chipset which supports H.264, MPEG2 and MPEG4 H/W decode, integrated graphic engine: Intel Graphics Media Accelerator 500, DirectX 9Ex. In a basic form factor of 95 mm x 95 mm, the SOM-6760 provides a scalable high performance with lower power consumption and easy to integrate solution for customers' applications by utilizing a plug-in CPU module on an application-specific customer solution board. The SOM-6760 with advanced I/O capacity incorporates serial differential signaling technologies such as PCI Express x 1, PCI Masters x 3, USB 2.0, 24bit LVDS, VGA, HD audio and 10/100 LAN. SOM-6760 offers design partners more choices for their own applications need lower power consumption while maintaining a compact form factor.

SOM-6760 complies with the "Green Function" standard and supports Idle, Standby and Suspend modes. The small size (95 mm x 95 mm) and use of two high capacity connectors based on the proven COM-Micro form factor, allow the COM-Micro modules to be easily and securely mounted onto a customized solution board or our standard SOM-DB5700 development board.

The SOM-6760 is a highly integrated multimedia COM that combines audio, video, and network functions. It provides good calculated ability but with lower power consumption, single channel LVDS interface for small/ middle size TFT LCD display, DDR2 memory up to 2 GB, high definition audio interface (AC97/Azalia), 25 to 112 MHz. Major on-board devices adopt PCI technology, to achieve computing

performance when customer adopts SOM-6760 to establish their own application.

Specifications

SOM Type:
EOL SOMs

Processor

Processor:
Intel Atom processor Z510
Clock Speed:
1.1 GHz
Real Time Clock:
Processor Misc.:
Second Processor : Intel Atom processor Z530 1.6 GHz

System Chipset : Intel System Controller Hub US15W

Memory

BIOS/ Bootloader:
AWARD 4Mbit Flash BIOS

Primary I/O

Disk Interface:
1x EIDE (Ultra DMA 100)
Audio:
High definition audio interface
Ethernet:
Intel 82551QM 10/100BASE-T Fast Ethernet
USB:
8x USB 2.0
Watchdog:
Primary I/O Misc.:
VGA/Flat-Panel Interface
Chipset: Intel SCH US15W

Memory Size: Share system memory up to 256MB

Display type: Simultaneously supports CRT / LCD displays
Dual-view supports CRT / LCD displays
Supports 24-bit single channel LVDS

Display mode:
CRT Mode: Support up to 1600 x 1200
LCD Mode: Support up to 1600 x 1200

Secondary I/O

LPT Port:
Keypad:
PS/2:

Analog on

A/D:
D/A:

Dimensions

Dimensions:

3.74 × 3.74 in

Power Requirements

Voltage:

12 V

Typical Current:

0.455 A

Typical Voltage:

5 V

Environmental

Low Operating Temperature:

0 C

High Operating Temperature:

60 C

Upper Operating Humidity:

90%

Pricing

SoM-6760-S1

SOM-6760-S1 .. ATOM Z510 1.1 GHZ

$0.00

Base Product:

SoM-6760

SoM-6760-S6

SOM-6760-S6 .. ATOM Z530 1.6 GHZ

$0.00

Base Product:

SoM-6760

Non-Stock NCNR:

0

Carrier Boards:

SoM-DB5700-0

COM express development carrier board

$315.00

Base Product:

SoM-DB5700

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