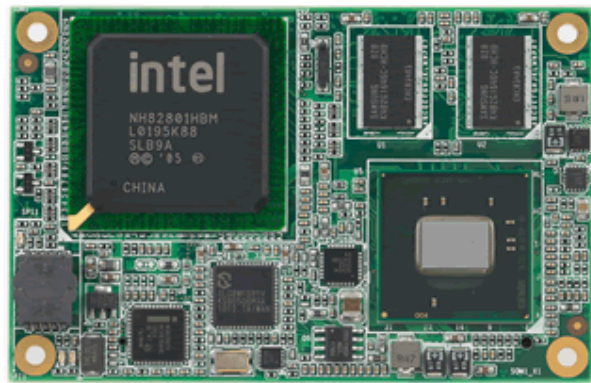


SoM-7562



Intel® Atom™ N455 1.66 GHz Processor

Onboard DDR3 1GB Max

1 or 2 GB on-board Flash

Supports 8 USB 2.0 ports

Gigabit Ethernet

High Definition Audio Interface

Supports 5 PCIe x1,

Nano Module Size, 84mm x 55mm

SOM-7562 is an embedded COM-Ultra Type 1 CPU module that fully complies with the PCI Industrial Computer Manufacturers PICMG COM Express standard. The SOM-7562 supports the Intel N455 processor with ICH8M chipset. The chipsets's graphic and memory controller are all on the same die as the CPU. The graphic engine integrates Intel Embedded Gen3.5 + GFX Core, MPEG2 Decode in HW, PCI Express and SATA interfaces. In a basic form factor of 84mm x 55mm, the SOM- 7562 provides a scalable high performance and easy to integrate solution for customers' applications by utilizing a plug-in CPU module on an application-specific customer solution board. The SOM-7562 with advanced I/O capacity incorporates serial differential signaling technologies such as PCI Express, Serial ATA, USB 2.0, LVDS and HD Audio interfaces. SOM-7562 offers design partners more choices for their own applications needing higher computing speeds while maintaining a compact form factor.

SOM-7562 complies with the "Green Function" standard and supports Doze, Standby and Suspend modes. The small size (84 mm x 55 mm) and use of one high capacity connector based on the proven COM-Ultra form factor, allow COM-Ultra modules to be easily and securely

mounted onto a customized solution board or our standard **SOM-DB5700** development board.

The SOM-7562 is a highly integrated multimedia COM module that combines audio, video, and network functions. It provides excellent calculated ability by Intel® latest Pineview-M processor, single channel LVDS interface for middle size TFT LCD display, on board DDR3 memory up to 1GB, high definition audio interface (Azalia).

Specifications

SOM Type:

COM Express Modules

Processor

Intel Atom Processor N455

Clock Speed:

1.66 GHz

Real Time Clock:

Memory

BIOS/ Bootloader:

AMI 16 Mbit Flash BIOS

Memory Misc.:

System Memory: Onboard DDR3 667 MHz memory chip, Max. 1GB

System Chipset: ICH8M

Primary I/O

1x 8-bit GPIO

Disk Interface:

3x SATAII

Video Out:

Dual display supports of CRT and LVDS

Audio:

High definition audio interface

Ethernet:

Intel 82567V 10/100/1000Base-TX Ethernet

USB:

8x USB 2.0 Ports

Watchdog:

Primary I/O Misc.:

Display

Chipset: Embedded Gen3.5+ GFX Core

Memory Size: Share system memory up to 384MB

Display type: Dual display supports of CRT and LVDS.

Supports 18-bit single channel LVDS interface

Display mode:

CRT Mode: Support up to 1400 x 1050

LCD Mode: Support up to 1366 x 768

Secondary I/O

UART

Keypad:

PS/2:

Analog on

AD

D/A:

Environmental nents

Low Operating Temperature:

0 C

High Operating Temperature:

60 C

Upper Operating Humidity:

90%

Pricing

SoM-7562F1

AtomN455, DDR3 1GB, GbE, SATA, USB2.0

\$336.00

Base Product:

SoM-7562

SoM-7562F2

AtomN455, DDR3 2GB, GbE, SATA, USB2.0

\$361.00

Base Product:

SoM-7562

SoM-7562SZ

Atom N455, DDR3 1GB, GbE, SATA, USB2.0, WIDE TEMP(-20~80)

\$0.00

Base Product:

SoM-7562

Non-Stock NCNR:

0

Carrier Boards:

SoM-DB5700-0

COM express development carrier board

\$315.00

Base Product:

SoM-DB5700

Source URL: <https://www.emacinc.com/content/som-7562>