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SoM-7562



Intel® AtomTM 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 Manufactures 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.

and use of one high capacity connector based on the proven COM-Ultra form factor, allow COM-Ultra modules to be easily and secured
nounted 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 excelled calculated ability by Intel® latest Pineview-M processor, single channel LVDS interface for middle size TFT LCD display, on board DDR nemory up to 1GB, high definition audio interface (Azalia).
Specifications
SOM Type:
COM Express Modules
Processor
ntel Atom Processor N455
Clock Speed:
66 GHz
Real Time Clock:
Memory Blook bookloader:
AMI 16 Mbit Flash BIOS
Memory Misc.:
System Memory: Onboard DDR3 667 MHz memory chip, Max. 1GB
System Chipset: ICH8M
Primary I/O
x 8-bit GPIO
Disk Interface:
8x SATAII Video Out:
Dual display supports of CRT and LVDS
Audio:
High definition audio interface
Ethernet:
ntel 82567V 10/100/1000Base-TX Ethernet
JSB:
8x USB 2.0 Ports
Vatchdog: Primary I/O Misc.:
Display

SOM-7562 complies with the "Green Function" standard and supports Doze, Standby and Suspend modes. The small size (84 mm x 55 mm)

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 Keypad: PS/2: Analog on مرA D/A: Dimensions Dimensions. 3.31×2.17 in Form Factor: COM EXPRESS Mini Environmental nents Low Operating Temperature: 0 C High Operating Temperature: 60 C Upper Operating Humidity: 90% Pricing Solvi-1302F1 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

Chipset: Embedded Gen3.5+ GFX Core

\$315.00 Base Product: SoM-DB5700

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