

CoM-U15



Intel® Atom™ Z530/Z510 Processor

Onboard DDR2 533 Memory Chip, Max. 1GB

Intel® System Controller Hub US15W

Supports 8 USB 2.0 ports

Gigabit Ethernet

High Definition Audio Interface

PATA SSD (Up to 4GB) x 1, SATA II x 1

Nano Module Size, 84mm x 55mm

The CoM-U15, and its accompanying carrier board-ECB-951D, adopt Intel Atom Z530/Z510 processor and Intel System Controller Hub US15W chipset, offering high speed PCI-Express bus interface and serial ATA for your high performance applications requiring high-speed and greater stability. The CoM Express CPU module offers flexibility and time-to-market advantages over a fully customized platform.

CoM-U15 supports up to 24-bit single channel LVDS interface and supports onboard DDRII 533 memory chip up to 1GB. A high definition audio interface is available to connect to an audio codec on the carrier board. Moreover, one onboard PATA SSD (Master device) and one SATAII interface are featured giving the user flexibility in storage choices.

Specifications

SOM Type:

COM Express Modules

Processor

Intel Atom Z530/Z510

Clock Speed:

1.6 GHz

Real Time Clock:

Memory BIOS/Bootloader:

Award BIOS v8.0 TSOP type, 1MB ROM

Memory Misc.:

System Memory: Onboard DDRII 533 memory chip, Max. 1GB

System Chipset: Intel System Controller Hub US15W

Primary I/O GPIO:

Up to 4 in or 4 out: Multiplexed with 4-bit SDIO

Disk Interface:

PATA SSD (Up to 4GB) x 1

SATA II x 1

Video Out:

LCD/DVI or LCD/LCD (via SDVO) Dual-view Displays Supports 24-bit single channel LVDS

Audio:

High definition audio interface

Ethernet:

10/100/1000Base-TX Ethernet

USB:

8 x USB 2.0 compliant ports

Watchdog:

Secondary I/O LPT Port:

Keypad:

PS/2:

Analog on A/D:

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 CoM-U15-A20

Atom Z510 1.1GHz, US15W, DDRII 1GB, GbE, SATA, USB2.0

\$291.00

Base Product:

CoM-U15

CoM-U15-A20-01

ATOM Z510 1.1GHz,US15W,DDRII 1GB,GbE,4GB SSD,USB2.0

\$375.00

Base Product:

CoM-U15

CoM-U15-A20-02

Atom Z530 1.6GHz,US15W,DDRII 1GB,GbE,SATA,USB2.0

\$371.00

Base Product:

CoM-U15

CoM-U15-A20-03

Atom Z530 1.6GHz,US15W,DDRII 1GB,GbE,4GB SSD,USB2.0

\$455.00

Base Product:

CoM-U15

Non-Stock NCNR:

0

Carrier Boards:

SoM-DB5700-0

COM express development carrier board

\$315.00

Base Product:

SoM-DB5700

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