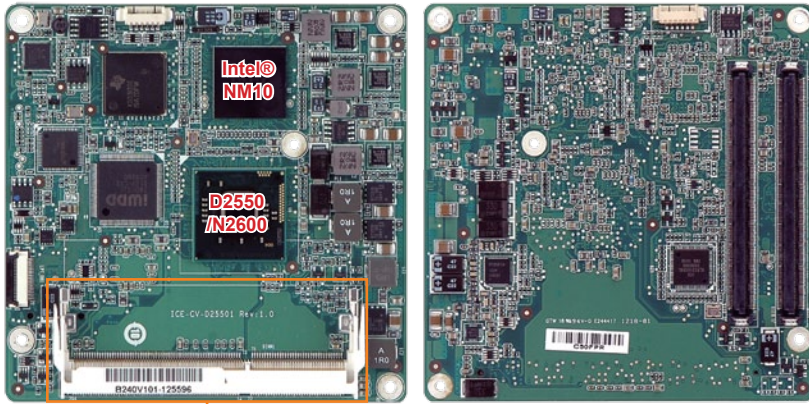


TYPE 6

ICE-CV-D25501-N26001

COM Express Rev 2.0 Basic/Compact Type 6 Modules, Intel® Atom™ N2600/D2550 Processor, VGA/LVDS, DDI, SATA 3Gb/s, GbE, USB 3.0, Audio and RoHS



Single-Channel DDR3 1066/800 MHz

Specifications

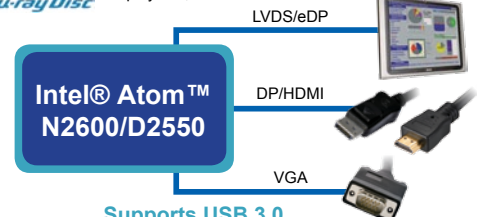
- ◆ Form Factor
PICMG COM Express R2.0 Type 6 for compact size
95 mm x 95 mm
10 layers
- ◆ CPU
Intel® Atom™ N2600 dual-core processor 1.6GHz (2 x 512 L2 cache)
Intel® Atom™ D2550 dual-core processor 1.86GHz (2 x 512 L2 cache)
- ◆ PCH
Intel® NM10
- ◆ Memory
One 204-pin 1066/800MHz DDR3 SDRAM SO-DIMM supported
(D2550 supports 1066MHz DDR3, system max. 4GB)
(N2600 supports 800MHz DDR3, system max. 2GB)
Supports 1.35V DDR3L
- ◆ BIOS
UEFI BIOS
- ◆ Graphics Engine
Intel® GMA 3650 with a 640MHz graphics core (for D2550)
Intel® GMA 3600 with a 400MHz graphics core (for N2600)
Supports DX9 and Blu-ray 2.0
MPEG2, H.264, VC-1 and 1080p decoding
- ◆ Display Output
VGA integrated in the Intel® N2600/D2550 (signal to baseboard)
1 x CRT (up to 2048 x 1536 @75Hz)
LVDS integrated in the D2550/N2600
Single-channel 24-bit LVDS by D2550, up to 1440x900 @60Hz
Single-channel 18-bit LVDS by N2600 and N2800, up to 1366x768 @60Hz
2 x DDI (up to 2560 x 1600 @60Hz)
- ◆ Ethernet
RTL 8111E GbE
- ◆ USB 3.0
Asmedia ASM1042 USB 3.0 extended host controller
- ◆ Embedded Controller
iWDD (ITE)
8 x USB 2.0 (signal to baseboard)
2 x SATA 3Gb/s (signal to baseboard)
- ◆ Audio
High Definition Audio interface (to baseboard)
- ◆ GPIO
Yes (to baseboard)
- ◆ SMBus
Yes (to baseboard)
- ◆ I2C
Yes (to baseboard)
- ◆ LPC
Yes (to baseboard)
- ◆ SPI
Yes (to baseboard)
- ◆ Serial Port
2 x Serial port (to baseboard)
- ◆ Expansions
4 x PCIe x1 signal (to baseboard)
- ◆ Watchdog Timer
Software programmable supports 1~255 sec. system reset (by EC)
- ◆ Power Consumption
+12V@0.45A, Vcore_12V@1.0A
- ◆ Operating Temperature
-10°C ~ 60°C
- ◆ Operating Humidity
5% ~ 95%, non-condensing
- ◆ Dimensions
95 mm x 95 mm
- ◆ Weight
GW: 600g/NW: 200g

Rich Media with 3rd Generation Intel® Atom™ Atom™

New

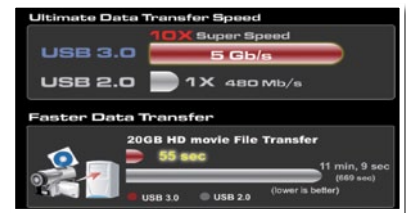


Full HD decoding with support for Blu-ray logo.
Additional display capability with support of HDMI, DisplayPort, LVDS and VGA



Supports USB 3.0

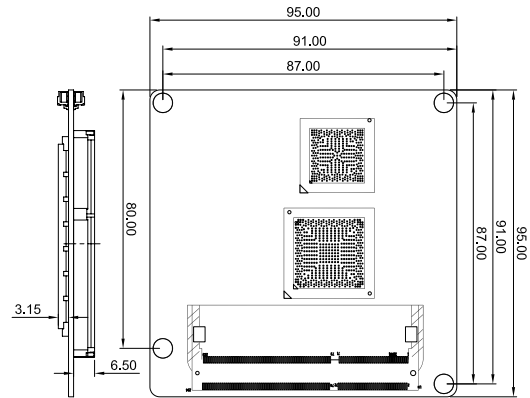
- The SuperSpeed USB 3.0 supports a data transfer rate that is up to 10 times faster than USB 2.0 with optimized power efficiency.
- USB 3.0 is backwards compatible with the USB 2.0 components.



Features

1. Intel® Atom™ N2600/D2700 processors supported
2. Intel® GMA integrates high-performance graphics and media processing
3. Supports DDR3 & DDR3L (1.35V) 1066/800MHz, up to 2GB
4. 18/24-bit single-channel LVDS, analog CRT and two DDI supported
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Dimensions (Unit: mm)



Packing List

1 x ICE-CV-N26001 single board computer	1 x Heatspreader
1 x Heatsink	1 x Utility CD
1 x One Key Recovery CD	1 x QIG (Quick Installation Guide)

Ordering Information

Part No.	Description
ICE-CV-D25501-R10	COM Express Rev 2.0 Basic/Compact Type 6 module, Intel® Atom™ D2550 processor, VGA/LVDS, DDI, GbE, SATA 3Gb/s, USB 3.0, Audio and RoHS
ICE-CV-N26001-R10	COM Express Rev 2.0 Basic/Compact Type 6 module, Intel® Atom™ N2600 processor, VGA/LVDS, DDI, GbE, SATA 3Gb/s, USB 3.0, Audio and RoHS
ICE-CV-N28001-R10	COM Express Rev 2.0 Basic/Compact Type 6 module, Intel® Atom™ N2800 processor, VGA/LVDS, DDI, GbE, SATA 3Gb/s, USB 3.0, Audio and RoHS (by project support, MOQ 100pcs / lot)
ICE-DB-T6-R10	Baseboard for COM Express Type 6 modules