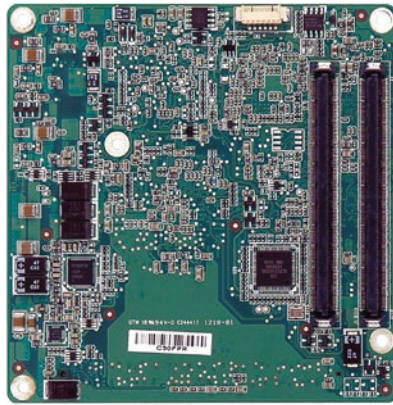
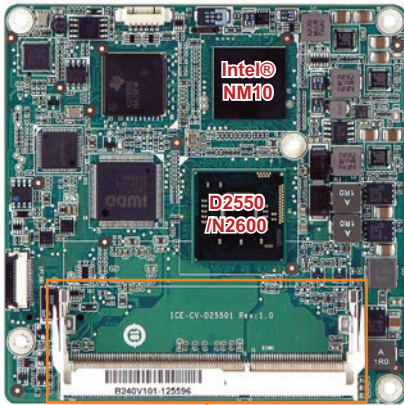


# ICE-CV-D25501 N26001

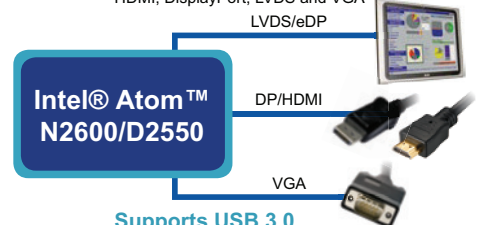
COM Express Rev 2.0 Basic/Compact Type 6 Modules, Intel® Atom™ N2600/D2550 Processor, VGA/LVDS, DDI, GbE, SATA 3Gb/s, USB 3.0, Audio and RoHS



Single-Channel DDR3 1066/800 MHz

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

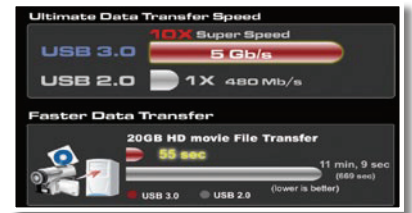
Full HD decoding with support for Blu-ray logo. Additional display capabilities with support of HDMI, DisplayPort, LVDS and VGA



### 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.



## Specifications

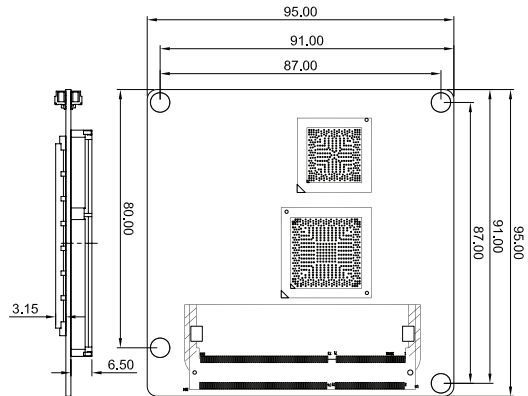
- ◆ Form Factor  
PICMG COM Express R2.0 Type 6 for compact size  
95 mm x 95 mm  
10 layers
- ◆ CPU  
Intel® Atom™ N2600 dual-core processor 1.6GHz (2 x 512 L2 cache)  
Intel® Atom™ D2550 dual-core processor 1.86GHz (2 x 512 L2 cache)
- ◆ PCH  
Intel® NM10
- ◆ Memory  
One 204-pin 1066/800MHz DDR3 SDRAM 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, resolution support up to 1440x900 @60Hz  
Single-channel 18-bit LVDS by N2600 and N2800, resolution support up to 1366x768 @60Hz  
2 x DDI (up to 2560 x 1600 @60Hz)
- ◆ Ethernet  
RTL 8111E GbE
- ◆ USB 3.0  
Asmedia: asm1042
- ◆ 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  
2 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



## 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)



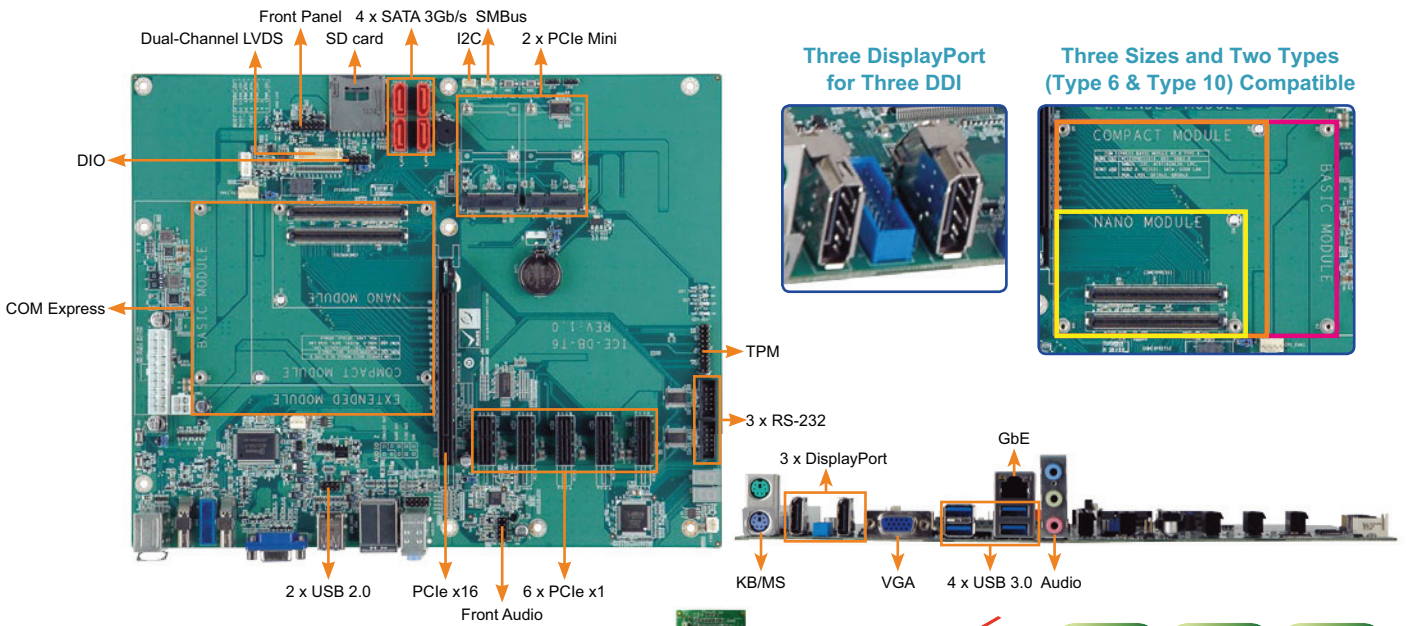
## Packing List

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-DB-T6-R10	Baseboard for COM Express Type 6 modules

# ICE-DB-T6 Baseboard for COM Express Type 6 Module



## Specifications

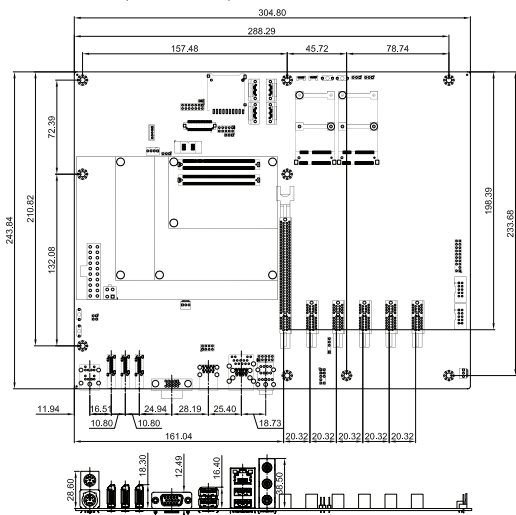
- ◆ Form Factor  
ATX form factor baseboard
- ◆ CPU  
Supports COM Express Compact / Basic module using connector pin out Type 6
- ◆ Display Interfaces  
1 x 18/24-bit single/dual-channel LVDS  
1 x VGA  
3 x DisplayPort (2 x real connectors, 1 x pin header)
- ◆ Super I/O  
W83627DHG
- ◆ Audio  
Realtek ALC892 HD audio codec (Line-in, Line-out, Mic)
- ◆ Expansions  
1 x PCIe x16                      6 x PCIe x1  
2 x PCIe Mini (with USB)      1 x LPC
- ◆ Internal I/O Interface  
4 x SATA port                      2 x RS-232 from COM Express (only TX, RX and GND)  
2 x RS-232 from SIO              1 x PS2 KB/MS  
2 x USB 2.0                         1 x SD
- ◆ Rear IO  
1 x VGA                              4 x USB 3.0  
1 x RJ-45                             3 x DisplayPort  
1 x Audio jack (Line-in, Line-out, Mic)
- ◆ Front Audio  
2 x 5-pin header
- ◆ TPM  
2 x 10-pin header
- ◆ 80 port  
2 x 7 segment display
- ◆ Front Panel  
1 x Front panel connector (power LED, HDD LED, speaker/buzzer, power button, reset button)
- ◆ I2C  
1 x 4-pin wafer
- ◆ SMBus  
1 x 4 pin wafer
- ◆ Watchdog Timer  
Software programmable supports 1~255 sec. system reset
- ◆ GPIO  
8-bit GPIO (GPIO from iwDD co-lay SDIO)
- ◆ Power Supply  
ATX/AT power supply
- ◆ Battery  
Supports smart battery charger connector
- ◆ Fan Connector  
1 x 4-pin / 1 x 3-pin CPU module fan connector  
1 x 3-pin system fan connector by SIO
- ◆ Operating Temperature  
-10°C ~ 60°C
- ◆ Operating Humidity  
5% ~ 95%, non-condensing
- ◆ Dimensions  
304.8 mm x 243.8 mm (12" x 9.6")



## Features

1. ATX form factor baseboard for COM Express Rev. 2, Pin-out Type 6
2. Supports one PCIe x16, six PCIe x1 and two PCIe Mini
3. Supports smart battery charger

## Dimensions (Unit: mm)



## Packing List

1 x COM Express baseboard	
1 x Dual-port RS232 cable (P/N: 19800-000051-RS)	1 x Mini jumper pack
2 x SATA cable (P/N: 32000-062800-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

## Ordering Information

Part No.	Description
ICE-DB-T6-R10	Baseboard for COM Express Type 6 modules
19800-000082-RS	RS-232/422/485 cable
32102-000100-200-RS	SATA power cable



