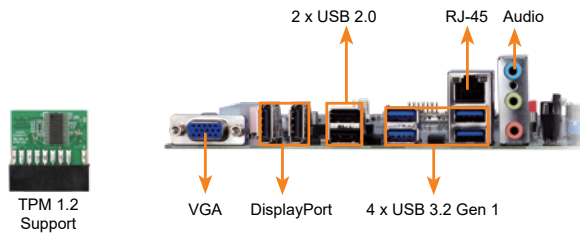
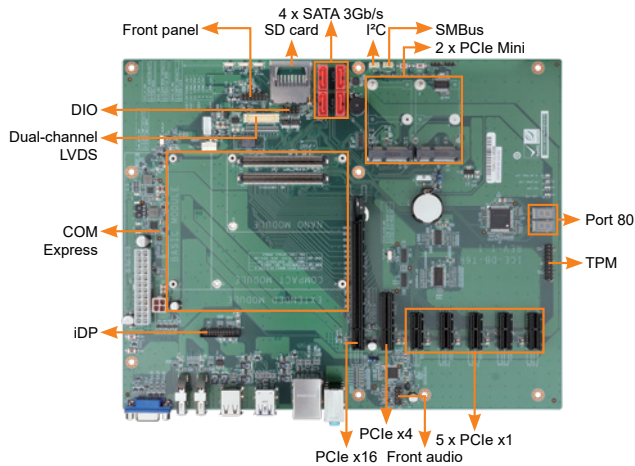


**TYPE 6**

# ICE-DB-T6R

Baseboard for COM Express Type 6 Module COM.0 Rev. 2.1  
(for ICE-ULT3, ICE-QM871 & ICE-BT-T6)



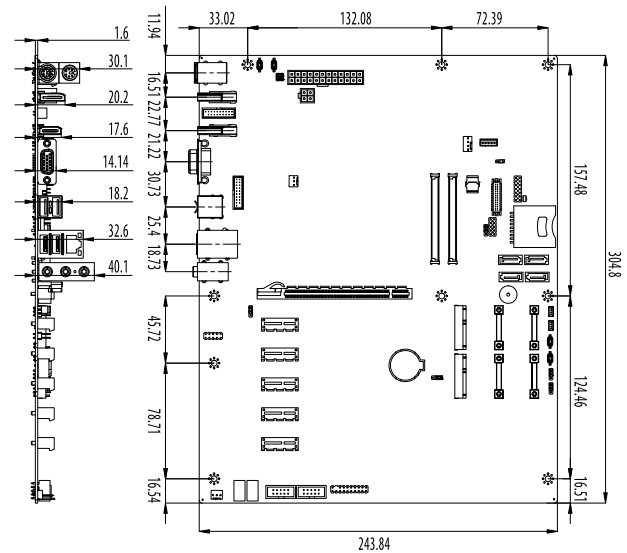
## Specifications

- ◆ Form Factor  
ATX form factor baseboard
- ◆ CPU  
Supports COM Express Compact/Mini module using connector pin out Type 6
- ◆ Display Interfaces  
1 x iDP pin-header  
1 x LVDS 18/24-bit single or dual-channel (with PWM back light controller)  
1 x VGA  
2 x DisplayPort
- ◆ Audio  
Realtek ALC888S HD Audio codec  
(Line-in, Line-out, Mic)
- ◆ Expansion  
1 x LPC 1 x PCIe x4  
1 x PCIe x16 5 x PCIe x1  
2 x PCIe Mini (MINIPCI-E1 with mSATA support, colay with SATA\_4)
- ◆ Internal I/O Interface  
1 x PS2 KB/MS  
4 x SATA 3Gb/s  
1 x SD card socket
- ◆ External I/OInterface  
1 x Audio jack (Line-in, Line-out, Mic)  
2 x DisplayPort  
1 x VGA  
1 x PS2 KB/MS 2 x USB 2.0  
1 x RJ-45  
4 x USB 3.2 Gen 1 (5Gb/s)
- ◆ Front Audio:  
2x5 pin pin header
- ◆ TPM:  
1 x TPM connector (2x10 pin)
- ◆ 80 port:  
2x7 segment display
- ◆ Front Panel  
1 x Front panel  
(2x7 pin, power LED, HDD LED, speaker/buzzer, power button, reset button)
- ◆ I²C:  
1 x I²C (1x4 pin)
- ◆ SMBus:  
1 x SMBus (1x4 pin)
- ◆ Internal storage  
EEPROM (supports EAPI R1.0)
- ◆ Watchdog Timer  
Software programmable supports 1~255 sec system reset
- ◆ GPIO:  
8-bit GPIO
- ◆ Power Supply  
ATX / AT Power Supply  
24+4 pins
- ◆ 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:  
-20°C ~ 60°C
- ◆ Storage Temperature:  
-30°C ~ 70°C
- ◆ Operating Humidity  
5% ~ 95 non-condensing
- ◆ Dimensions  
304.8 mm x 243.8 mm (12" x 9.6")
- ◆ Weight: GW:650g / NW:430g
- ◆ Safety:CE/FCC compliant

## Features

- ATX form factor baseboard for COM Rev. 2.1, pin-out Type 6
- Support 1 x PCIe x16, 1 x PCIe x4, 5 x PCIe x1, 2 x PCIe Mini
- Support PICMG EAPI R1.0

## Dimensions (Unit: mm)



## Packing List

1 x Baseboard for COM Express	1 x Mini jumper pack
2 x SATA cable	1 x QIG

## Ordering Information

Part No.	Description
ICE-DB-T6R-R11	Baseboard for COM Express Type 6 Module COM.0 Rev. 2.1, support PICMG EAPI R1.0
32102-000100-200-RS	SATA power cable, MOLEX 5264-4P to SATA15P