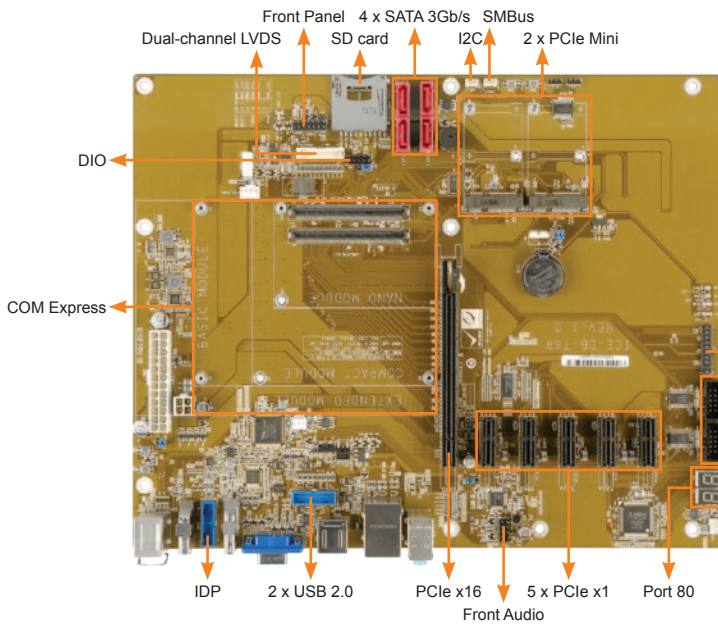


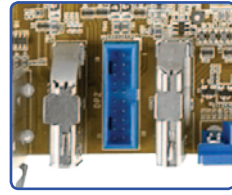
TYPE 6

ICE-DB-T6R

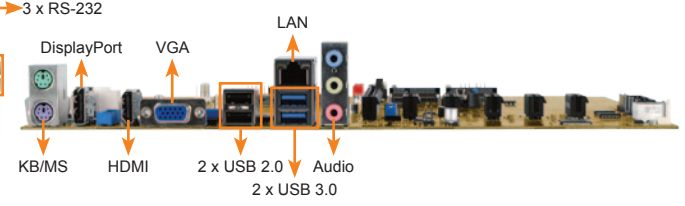
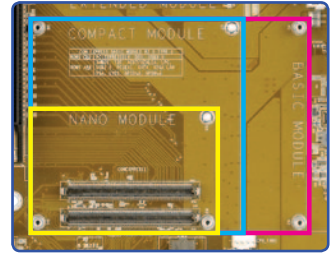
Baseboard for COM Express Type 6 Module COM.0 Rev. 2.1 (for ICE-QM871 & ICE-BT-T6)



IEI IDP for evaluation of other display interface

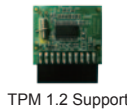


Three sizes and two types (Type 6 & Type 10) compatible



Specifications

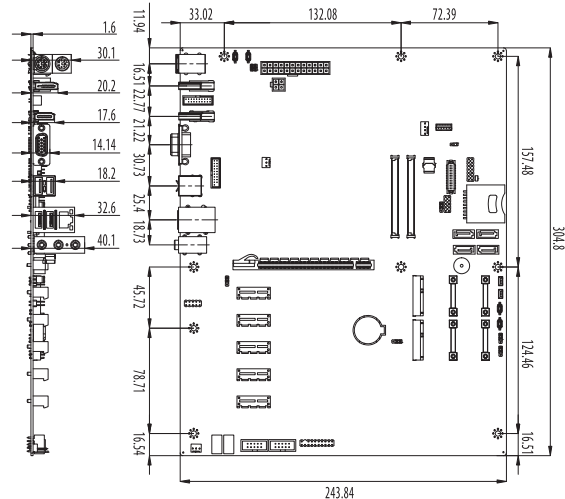
- ◆ Form Factor
ATX form factor baseboard
- ◆ CPU
Supports COM Express Compact / Basic module using connector pin out Type 6
- ◆ Display Interfaces
 - 1 x VGA
 - 1 x DisplayPort pin-header
 - 1 x LVDS 18/24-bit single or dual channel (with PWM back light controller)
 - 1 x HDMI (HDMI signal only)
 - 1 x DisplayPort connectors
- ◆ Audio
Realtek ALC662 HD Audio codec (Line-in, Line-out, Mic)
- ◆ Expansions
 - 1 x PCIe x16
 - 1 x LPC
 - 5 x PCIe x1
 - 2 x PCIe Mini (MINIPCIe1 colay with m-sata with SATA_4)
- ◆ I/O Interface
 - 4 x SATA port
 - 2 x RS-232 from SIO
 - 1 x SD card socket
 - 1 x PS2 KB/MS
 - 2 x RS-232 from COM Express (only TX, RX, GND)
 - 2 x USB 3.0 (standard USB 3.0 pin-header)
- ◆ Rear IO
 - 1 x PS2 KB/MS
 - 2 x USB 3.0
 - 1 x RJ-45 connector
 - 1 x HDMI
 - 1 x Audio jack (Line-in, Line-out, Mic)
 - 2 x USB 2.0
 - 1 x VGA
 - 1 x DisplayPort connectors
- ◆ Front Audio
2 x 5-pin pin header
- ◆ TPM
1 x TPM connector (2x10 pin)
- ◆ 80 port
2 x 7 segment display
- ◆ Front Panel
1 x Front panel (power LED, HDD LED, speaker/Buzzer, power button, reset button)
- ◆ I2C
1 x 4-pin wafer
- ◆ SMBus
1 x 4-pin wafer
- ◆ Internal storage
EEPROM (supports EAP1 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")



Features

1. ATX form factor baseboard for COM.0 Rev. 2.1, pin-out Type 6
2. Support one PCIe x16, five PCIe x1, two PCIe Mini and one m-SATA
3. Support smart battery charger
4. Support PICMG EAP1 R1.0

Dimensions (Unit: mm)



Packing List

1 x COM Express baseboard	
1 x Dual-port RS-232 cable (P/N: 19800-000051-RS)	1 x Mini jumper pack
2 x SATA Cable (P/N: 32000-062800-RS)	1 x QIG

Ordering Information

Part No.	Description
ICE-DB-T6R-R10	baseboard for COM Express Type 6 Module COM.0 Rev. 2.1, support PICMG EAP1 R1.0
19800-003800-100-RS	RS-232/422/485 cable
32102-000100-200-RS	SATA Power cable