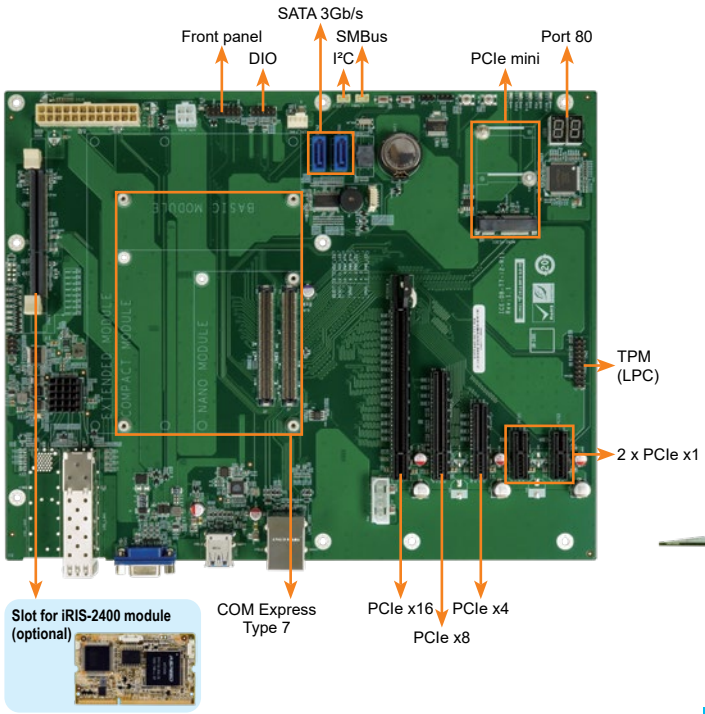
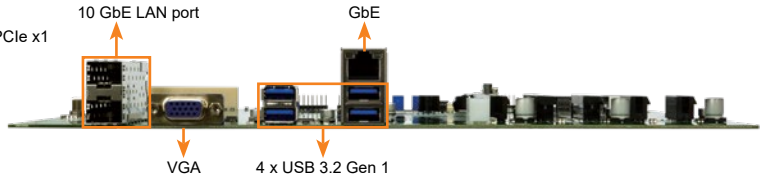
TYPE 7

ICE-DB-T7-i2

Base Board for COM Express Type 7 Module COM.0 Rev. 3.0

New





IPMI 2.0 Compliant | Native PCIe Gen.3 | USB 3.2 | SATA 6Gb/s | TPM 1.2 Support

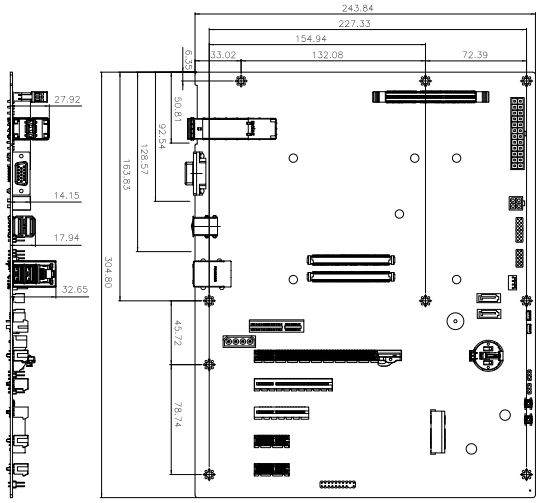
Specifications

- Form Factor
  ATX form factor base board
- CPU
  Supports COM Express Compact / Basic module using connector pin out Type 7
- Display Interfaces
  1 x VGA from iRIS-2400
- Expansion
  1 x PCIe x4 (x4 Gen 2 signal)
  1 x PCIe x16 (x16 Gen 3 signal)
  1 x PCIe x8 (x8 Gen 3 signal)
  1 x PCIe x4 (x1 Gen 2) (x4 signal option)
  2 x PCIe x1 (x1 Gen 2)
- Internal I/O Interface
  1 x Mini-PCIe
  2 x SATA port
  2 x RS-232 from COM Express (only TX, RX, GND)
  2 x RS-232 from SIO
- Rear I/O Interface
  4 x USB 3.2 Gen 1
  1 x RJ45 connector
  1 x VGA (Display output depends on CPU sku)
- TPM
  2 x 10-pin pin header support LPC interface
- 80 port
  2 x 7 segment display
- Front Panel
  1 x Front_Panel (Power LED, HDD LED, Speaker(Buzzer), Power Button, Reset Button)
- iRIS Remote Management Module
  1 x iRIS-2400 slot
- I²C
  1 x I²C (1 x 4-pin wafer)
- SMBus
  1 x SMBus (1 x 4 pin wafer)
- Internal storage
  EEPROM (support EAPI R1.0)
- Watchdog Timer
  Software Programmable support 1~255 sec system reset
- GPIO
  8-bit GPIO
- Power Supply
  ATX / AT Power Supply
  24+4 pin
- Fan Connector
  1 x 4-pin / 1x 3 pin CPU module fan connector
  1 x 3-pin system fan connector by SIO
- Temperature
  -40°C ~ 85°C
- Humidity
  5% ~ 95%, non-condensing
- Dimensions
  304.8 mm x 243.8 mm (12" x 9.6")
- CE/FCC compliant

Features

- ATX form factor base board for COM.0 Rev. 3.0 Pin-out Type 7
- Support 2 x 10GbE PHY (WPCS4227C.A2)
- Support 32 PCIe lanes
- Support PICMG EAPI R1.0
- Support IPMI 2.0 via iRIS-2400 module

Dimensions *(Unit: mm)*



Packing List

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

Ordering Information

Part No.	Description
ICE-DB-T7-i2-R11	Base Board for COM Express Type 7 Module COM.0 Rev. 3.0, support PICMG EAPI R1.0, iRIS-2400
iRIS-2400-R10	IPMI 2.0 adapter card with AST2400 BMC chip for DDR3 SO-DIMM socket interface