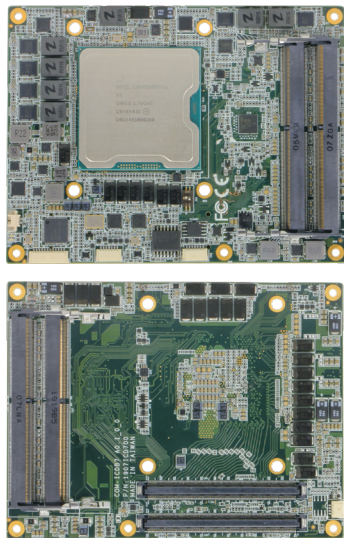


COM-ICDB7

PRELIMINARY

COM Express Type 7 with Intel® XEON-D series Processor (formerly Icelake-D LCC series)



Features

- Intel® SoC XEON® D LCC series, max TDP 70W
- 4x SODIMM DDR4 3200MHz Memory, up to 128GB (ECC Support)
- Gigabit Ethernet x1, 10GbE x 4
- SATA3.0 x 2
- USB3.2/2.0 x4
- PCIe[x16], PCIe[x8], PCIe [x1] x 8
- 12V DC input
- COM Express Type 7, Compact size, 125mm x 95mm



Specifications

System	
Form Factor	COM Express Basic Size 125mm x 95mm
CPU	Intel® XEON-D, LCC, up to 10c/20t, CPU TDP up to 75W
CPU Frequency	—
Chipset	SoC
Memory Type	DDR4 Socket x4, up to 128GB, ECC supported
Max. Memory Capacity	up to 128GB
BIOS	AMI UEFI
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	Normal: +12V
Power Supply Type	—
Power Consumption (Typical)	TBD
Dimension (L x W)	125mm x 95mm
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	TBD
Certification	CE/FCC
Display	
VGA/LCD Controller	—
Video Output	—
LVDS Interface	—
I/O	
Ethernet	1GbE: Intel® I210 GbE 10GbE: via carrier board 10GbE Phy
Audio	—
USB Port	USB3.2 / USB2.0 x 4
Serial Port	2-wire UART x 2 (TX/RX)
HDD Interface	SATA 3.0 x 2
Onboard Storage	PCIe [x16] x1, PCIe [x8] x1, PCIe [x1] x8 I2C, LPC, SMBus, NCSI
Expansion Slot	8 bit
GPIO	—
TPM	—

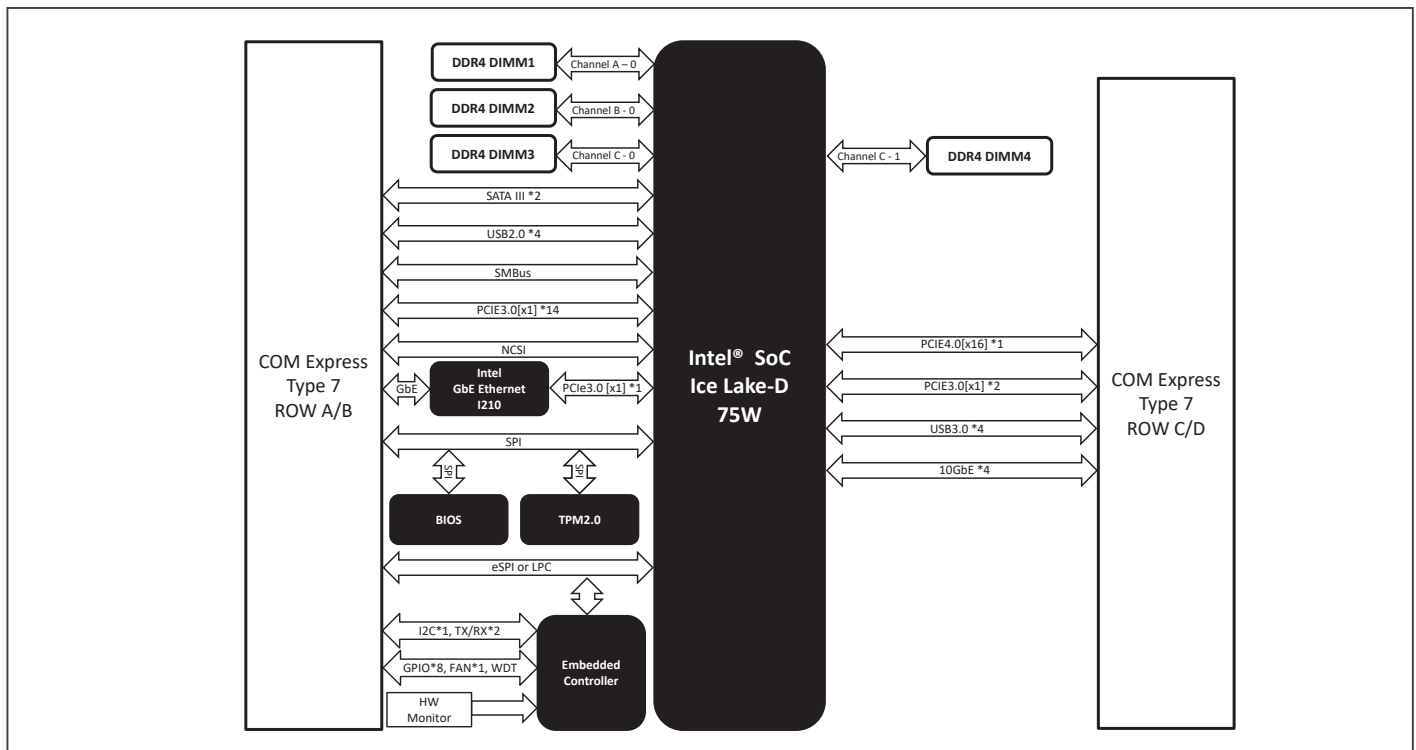
Packing List

- COM-ICDB7 x 1

Optional Accessories

- COM-ICDB7-FAN01
Cooler for COM-ICDB7, size TBD
- ECB-920A-A11-0001
COMe Type 6/10.Carrier Board.ATX.GbE.8USB, 2COM.4SATA.PCIe.AT/ATX.Rev. A1.1
- PER-T577-A10-TBD
COMe Type7 adaptor board

Block Diagram Unit: mm



Dimension Unit: mm



Ordering Information

- **COM-ICDB7-A10-TBD**
COMe T7, Icelake D, DDR4 skt x4, 1GbE, 10GbE, 2SATA, 4USB3, 32PCIE RevA1.0