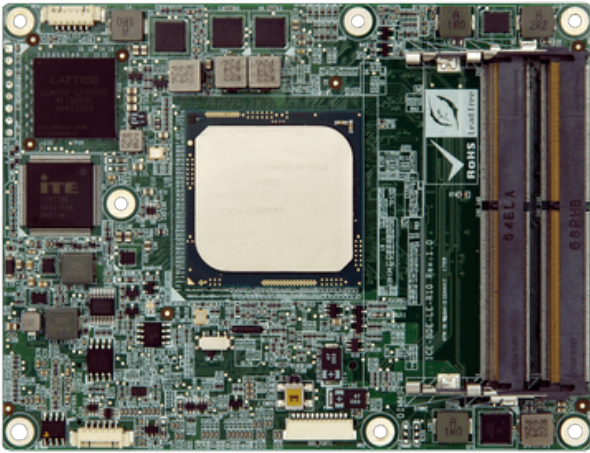


# ICE-BDE-T7

COM Express Basic Size Type 7 Module Support,  
Intel® Broadwell-DE Processor D-1500



## Features

- » COM Express basic size Type 7 module
- » Intel® Xeon® D and Pentium® D SoC (up to 16 cores)
- » Up to 32GB dual channel DDR4 at 1866/2133/2400MHz ECC (dependent on SoC SKU)
- » Two 10G Ethernet and NC-SI support
- » Up to 32 PCIe lanes (24 x Gen3, 8 x Gen2)
- » GbE, two SATA 6Gb/s, four USB 3.0/2.0

## Specifications

System	
CPU	Intel® Xeon® D processor D-1548 (12MB Cache, 2.00GHz) Intel® Xeon® D processor D-1518 (6MB Cache, 2.20GHz) Intel® Xeon® D processor D-1508 (3MB Cache, 2.20GHz)
Memory	Two 260-pin 1600/2133 MHz Dual-Channel DDR4 SDRAM supported Support ECC
Memory Max.	32GB
Physical Characteristics	
Dimensions (LxWxH) (mm)	125 X 95
Net Weight	300g
Storage	
Storage	2 x SATA :6Gb/s signal to base board
I/O Interface	
Ethernet	Description: Intel® I210 2 x 10G KR Interfaces 10G Sideband Signals (10G_INT 10G_PHY_MDC/MDIO 10G_PHY_SEL 10G_PHY_RST 10G_LED_I2C 10G_SFP_I2C 10G_SDP)
I/O Interface	2 x Internal RS-232 :2-wire to base board 4 x Internal USB 2.0 to base board 4 x Internal USB 3.2 Gen1x1 :to base board (with 4 X USB 2.0)
Expansion	1 x PCIe x16 :Gen 3 (Bifurcatable to 2 x8, 1 x8 & 2 x4, or 4 x4) 1 x PCIe x8 :Gen 3 (Bifurcatable to 1 x8 & 2 x4) 8 x PCIe x1 :Gen2 signal to base board
Other Features	
TPM	on-Board SPI TPM 2.0
Power	
Power Consumption	12V@2.15A, 5VSB@0.28A, 5V@0.03A
Power Supply	12V: 12V±5%, 5VSB: 5V±5%, RTC Battery: 2.0-3.3V
Environment	
Operating Temperature	-20°C ~ 60°C with air flow
Humidity	5% ~ 95%, non-condensing
Certifications	
Safety & EMC	CE/FCC compliant

## Ordering Information

ICE-BDE-T7-1508-R10	COM Express Basic size Type 7 Module support, Intel® Broadwell-DE Dual-core Pentium® Processor D1508(25W), Two ECC DDR4 SO-DIMM , GbE, 10G KR, NCSI, SATAIII, USB 3.0, PCIe Gen3, RoHS
ICE-BDE-T7-1518-R10	COM Express Basic size Type 7 Module support, Intel® Broadwell-DE Quad-Core Processor D-1518(35W), Two ECC DDR4 SO-DIMM , GbE, 10G KR, NCSI, SATAIII, USB 3.0, PCIe Gen3, RoHS
ICE-BDE-T7-1548-R10	COM Express Basic size Type 7 Module support, Intel® Broadwell-DE Eight-Core Processor D-1548(45W), Two ECC DDR4 SO-DIMM , GbE, 10G KR, NCSI, SATAIII, USB 3.0, PCIe Gen3, RoHS

## Packing List

1 x ICE-BDE-T7 single board computer	1 x Heatsink
1 x QIG	