

ICOM4133

Industrial 4U Rackmount Xeon® System



ICOM4133

PRODUCT HIGHLIGHTS

- ▶ 4U 19" 18.58" Deep Rackmount system
- ▶ Life Cycle Support Until Q2 2025
- ▶ Industrial motherboard based solution
- ▶ Supports Intel® Xeon® processors, Intel® C622 chipset
- ▶ Six 288-pin RDIMM up to 192GB DDR4
- ▶ Expansion for 2 x PCIe x16, 1 x PCIe x8, 2 x PCIe x4, 1 x M.2
- ▶ Rich I/O: 2 Intel GbE, 1 dedicated IPMI LAN, 1x Fiber 10 GbE, 1 COM, 6 SATA 3.0, 5 USB 2.0, 2 USB 3.0
- ▶ Front to back cooling with two low noise hot-swap system fans



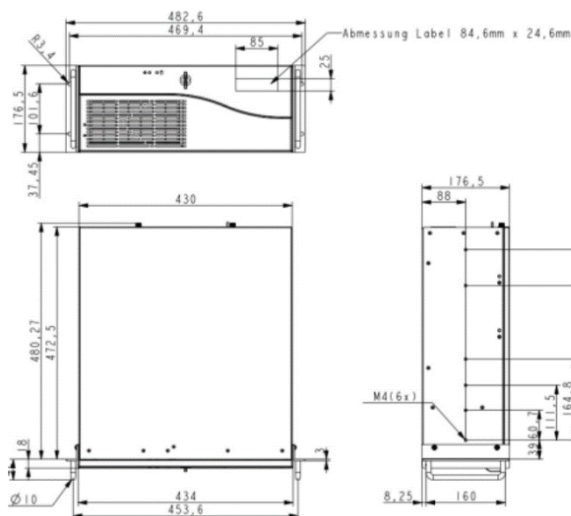
TECHNICAL INFORMATION

PROCESSOR	Intel® Xeon® Scalable Processor Family, LGA 3647 Socket, TDP up to 145W Intel® Xeon® Gold 6138T (20 Cores, 27.5M Cache, up to 3.7 GHz); 125W Intel® Xeon® Gold 6138 (20 Cores, 27.5M Cache, up to 3.7 GHz); 125W Intel® Xeon® Gold 6130T (16 Cores, 22M Cache, up to 3.7 GHz); 125W Intel® Xeon® Gold 6130 (16 Cores, 22M Cache, up to 3.7 GHz); 125W Intel® Xeon® Gold 6126T (12 Cores, 19.25M Cache, up to 3.7 GHz); 125W Intel® Xeon® Gold 6126 (12 Cores, 19.25M Cache, up to 3.7 GHz); 125W Intel® Xeon® Gold 5120T (14 Cores, 19.25M Cache, up to 3.2 GHz); 105W Intel® Xeon® Gold 5119T (14 Cores, 19.25M Cache, up to 3.2 GHz); 85W Intel® Xeon® Gold 5118 (12 Cores, 16.5M Cache, up to 3.2 GHz); 105W Intel® Xeon® Silver 4116T (12 Cores, 16.5M Cache, up to 3.0 GHz); 85W Intel® Xeon® Silver 4116 (12 Cores, 16.5M Cache, up to 3.0 GHz); 85W Intel® Xeon® Silver 4114T (10 Cores, 13.75M Cache, up to 3.0 GHz); 85W Intel® Xeon® Silver 4110 (8 Cores, 11M Cache, up to 3.0 GHz); 85W Intel® Xeon® Silver 4109T (8 Cores, 11M Cache, up to 3.0 GHz); 70W Intel® Xeon® Bronze 3106 (8 Cores, 11M Cache, 1.7 GHz); 85W
CHIPSET	Intel® C622 Chipset
MEMORY	Six 288-pin RDIMM up to 192GB DDR4 1600/1866/2133/2400/2666 MHz
BIOS	SPI 128Mbit
STORAGE	Supports 3x 5.25" SATA drive bays Supports RAID 0, 1, 5, 10 1 x M.2 2280 M key (PCIe Gen3 x 4 NVMe/SATA) Optional removable hard disk drives or solid state disks
OPTICAL	DVD±RW (±R DL) / DVD-RAM drive
WATCHDOG TIMER	Programmable via S/W from 1 sec. to 255 sec.
EXPANSION SLOTS	2 x PCIe x16 (Gen 3) 1 x PCIe x8 (Gen 3) 2 x PCIe x4 (Gen 3)
POWER SUPPLY OPTIONS	400W ~ 600W 90~250VAC DC 12~48V 500W Redundant Power Supplies
AUDIO	N/A
ETHERNET	GbE: i350-AM2 10GbE: CS4227 IPMI: RTL8211F
OPERATING SYSTEMS SUPPORTED	Windows 10 IoT Enterprise LTSC RS1(64-bit) Windows Server 2012R2 Windows Server 2016 Linux

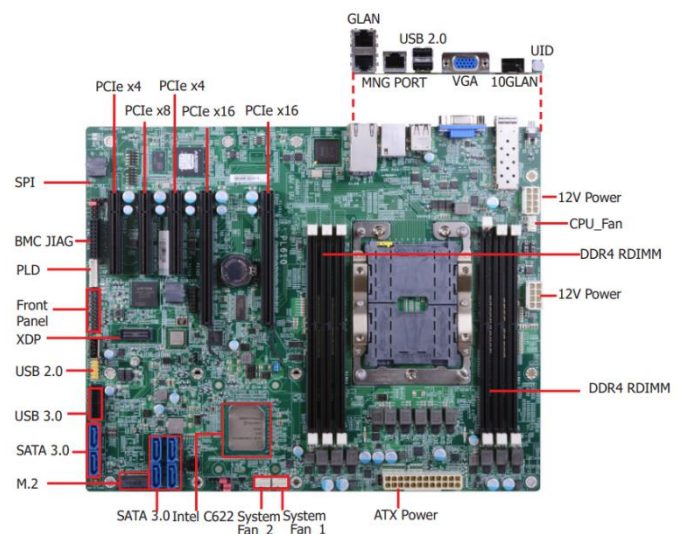
TECHNICAL INFORMATION (CONTINUED)

DISPLAY	1 x VGA
MULTI-DISPLAY OUTPUTS	N/A
REAR I/O PORTS	2 x GbE (RJ-45) 1 x dedicated IPMI LAN 1x Fiber 10 GbE 2 x USB 2.0 1 x PS/2 (mini-DIN-6) 1 x VGA
OPTIONAL PORT EXPANSION FROM MOTHERBOARD	1 x RS-232 (2.54mm pitch) 2 x USB 2.0 (2.54mm pitch) 1 x Vertical USB 2.0 2 x USB 3.0
FRONT CHASSIS CONNECTORS	2 x USB
DRIVE BAYS	3x 5.25" SATA drive bays 1x 2.5" / 3.5" SATA drive internal RAID support
MOTHERBOARD MTBF	493,780 hrs @ 25°C; 290,407 hrs @ 45°C ; 187,006 hrs @ 60°C Calculation Model: Telcordia Issue 4 Environment: GB, GC - Ground Benign, Controlled
ENVIRONMENT	Operation Temperature: 0 °C to +50 °C continuous operation Storage Temperature: -20 °C to +70 °C Humidity: 10 % to 93 % @40 °C, non-condensing (Dependent on overall system specification)
VIBRATION	Operating: 10-150 Hz: 1G/3 axis Non-operating: 10-150 Hz: 2G/3 axis
COOLING	Removable air filter Two low noise hot-swap system cooling fans
COLOUR	Black (all other optional colours are available upon request)
DIMENSIONS:	177 x 482 x 472 mm (4U x 19" x 18.58")

MECHANICAL DRAWING



MOTHERBOARD DETAILS



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