

ICOM4126

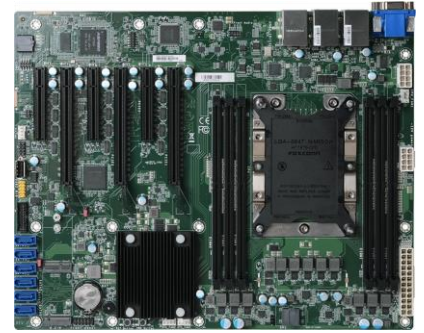
Industrial 4U Rackmount Xeon 1st/2nd Gen System



ICOM4126

PRODUCT HIGHLIGHTS

- ▶ 4U 19" 18.58" Deep Rackmount system
- ▶ Life Cycle Support Until Q3' 30
- ▶ Industrial motherboard based solution
- ▶ Supports Intel 1st/2nd Gen Intel® Xeon® Scalable Family Intel® C621 chipset
- ▶ 6 DDR4 RDIMM up to 192GB
- ▶ Expansion for 3 PCIe x16, 3 PCIe x8 (share w/ PCIe x16), 2 M.2
- ▶ Rich I/O: 2 Intel GbE, 1 COM, 6 SATA 3, 5 USB 2.0, 6 USB 3.1 Gen 1
- ▶ Front to back cooling with two low noise hot-swap system fans



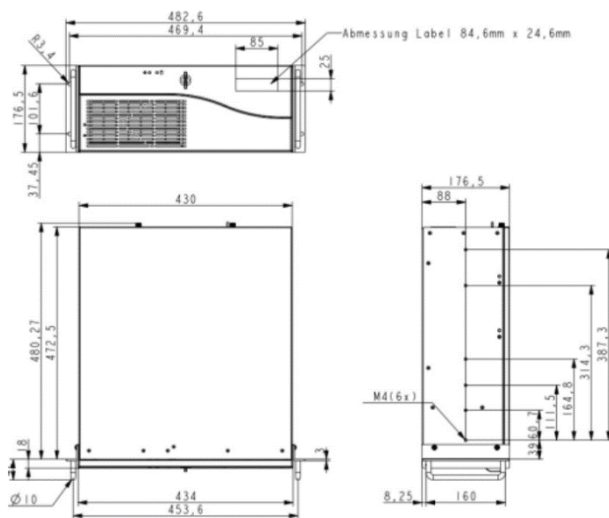
TECHNICAL INFORMATION

PROCESSOR	1st Generation Intel® Xeon® Scalable Processor Family, LGA 3647 Socket: Intel® Xeon® Platinum 8160T (24 Cores, 27.5M Cache, up to 3.7 GHz); 150W 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 2nd Generation Intel® Xeon® Scalable Processor Family, LGA 3647 Socket: Intel® Xeon® Gold 6252N (24 Cores, 35.75M Cache, up to 3.6 GHz); 150W Intel® Xeon® Gold 6238T (22 Cores, 30.25M Cache, up to 3.7 GHz); 125W Intel® Xeon® Gold 6230T (20 Cores, 27.5M Cache, up to 3.9 GHz); 125W Intel® Xeon® Gold 6230N (20 Cores, 27.5M Cache, up to 3.5 GHz); 125W Intel® Xeon® Gold 6230 (20 Cores, 27.5M Cache, up to 3.9 GHz); 125W Intel® Xeon® Gold 6226 (12 Cores, 19.25M Cache, up to 3.7 GHz); 125W Intel® Xeon® Gold 5220T (18 Cores, 24.75M Cache, up to 3.9 GHz); 105W Intel® Xeon® Gold 5218T (16 Cores, 22M Cache, up to 3.8 GHz); 105W Intel® Xeon® Gold 5218N (16 Cores, 22M Cache, up to 3.7 GHz); 110W Intel® Xeon® Gold 5215 (10 Cores, 13.75M Cache, up to 3.4 GHz); 85W Intel® Xeon® Silver 4216 (16 Cores, 22M Cache, up to 3.2 GHz); 100W Intel® Xeon® Silver 4215 (8 Cores, 11M Cache, up to 3.5 GHz); 85W Intel® Xeon® Silver 4214 (12 Cores, 16.5M Cache, up to 3.2 GHz); 85W Intel® Xeon® Silver 4210 (10 Cores, 13.75M Cache, up to 3.2 GHz); 85W Intel® Xeon® Silver 4209 (8 Cores, 11M Cache, up to 3.2 GHz); 70W
CHIPSET	Intel® C621 Chipset
MEMORY	Six 288-pin RDIMM up to 192GB, Single Channel DDR4 up to 2933MHz
BIOS	SPI 128Mbit
STORAGE	Supports 3x 5.25" SATA drive bays, supports 6 x SATA 3.0, 1 x M.2 Key 2280 (PCIe/SATA Gen 3 x4 NVMe), 1 x M.2 E Key 2230 (USB 2.0/PCIe Gen 3 x2), RAID 0/1/5/10, 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	3x PCIe x16 (Gen 3), 3x PCIe x8 (Gen 3) (share w/ PCIe x16) 1x M.2 M key 2280 (SATA/PCIe Gen3 x4 NVMe), 1x M.2 E key 2230 (USB 2.0/PCIe Gen3 x2)
POWER SUPPLY OPTIONS	400W ~ 600W, 90~250VAC, DC 12~48V, 500W Redundant Power Supplies
AUDIO	Realtek ALC887

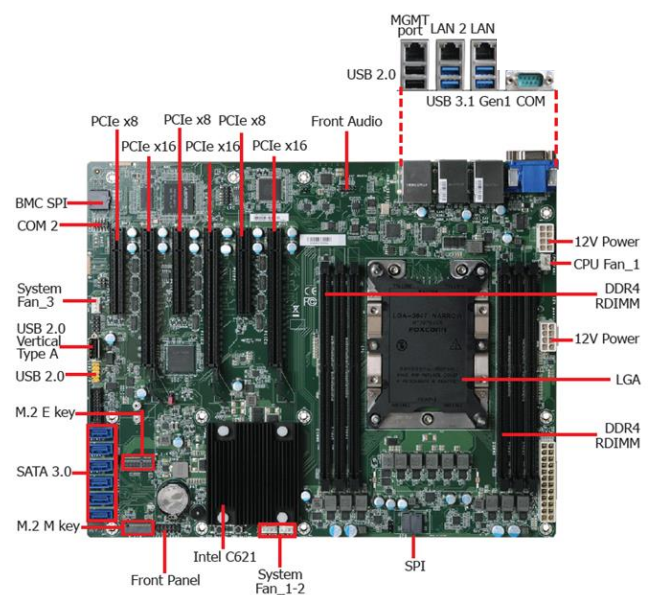
TECHNICAL INFORMATION (CONTINUED)

ETHERNET	2 x Intel® I210AT PCIe (10/100/1000Mbps), IPMI: 1 x RTL8211F (with optional IPMI module)
OPERATING SYSTEMS SUPPORTED	Windows 10 IoT Enterprise LTSB RS5 (64-bit) Windows Server 2019 Windows Server 2016 Linux
DISPLAY	N/A (Please see ICOM4127 for VGA version)
MULTI-DISPLAY OUTPUTS	N/A
REAR I/O PORTS	2 x GbE (RJ-45) 1 x dedicated IPMI LAN (opt., MOQ required) 1 x RS-232 (DB-9) 4 x USB 3.1 (Gen1) 2 x USB 2.0 stack (opt., MOQ required w/ RJ45+USB2.0 stack)
OPTIONAL PORT EXPANSION FROM MOTHERBOARD	2 x USB 2.0 header (2 x USB 2.0) 1 x USB 2.0 vertical Type A 1 x USB 3.1 Gen 1 header (2 x USB 3.1 Gen 1)
FRONT CHASSIS CONNECTORS	2 x USB
DRIVE BAYS	3x 5.25" SATA drive bays, 1x 2.5" / 3.5" SATA drive internal
MOTHERBOARD MTBF	558,025 hrs @ 25°C; 339,879 hrs @ 45°C ; 224,136 hrs @ 60°C With IPMI-Mgmt: 510,709 hrs @ 25°C; 306,113 hrs @ 45°C ; 200,130 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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