ROC230-AC

1U Short Depth Rugged Server with
ICE Lake-D LCC 8C / 10C, 100V to 240V
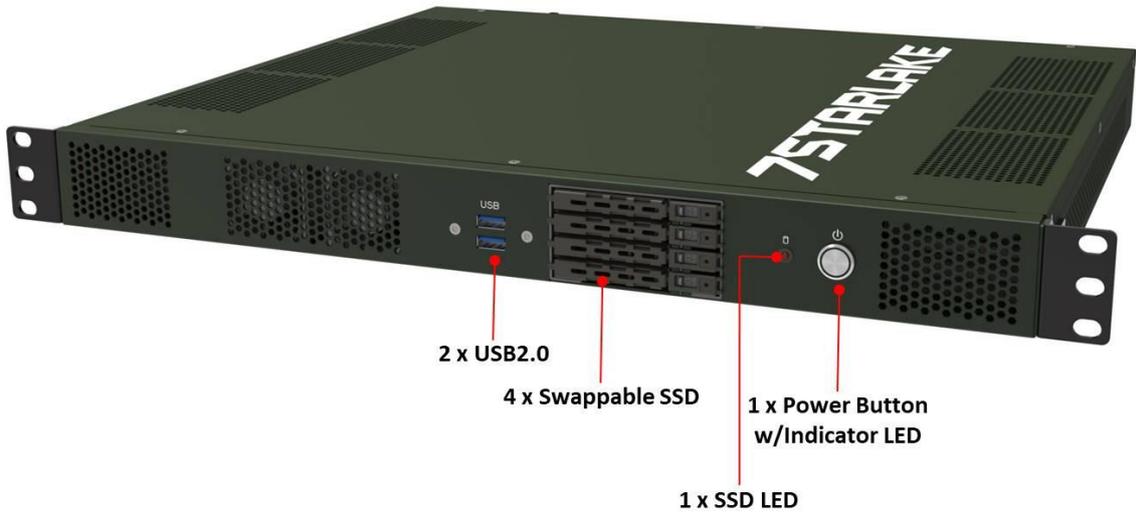AC-in ,Intel® Xeon® D-1736NT / D-1749NT

- 1U 380 mm Short Depth Rugged Server
- MIL-STD 810 Design to meet
- Intel® Xeon® D-1736NT (8xC) / D-1749NT(10xC)
- Up to 128GB Registered ECC RDIMM DDR4-2666MHz
- 2 x 25G SFP28, 2 x 10G RJ45, 1x IPMI
- 1x VGA , 2 x USB 3.0, 2 x USB2.0
- 4 x Swappable SSD
- PCIe x 16 Expansion (HHHL)
- 100V ~ 240V AC-IN
- Dimension : 380 x 430 x 44.4 mm (D x W x H)
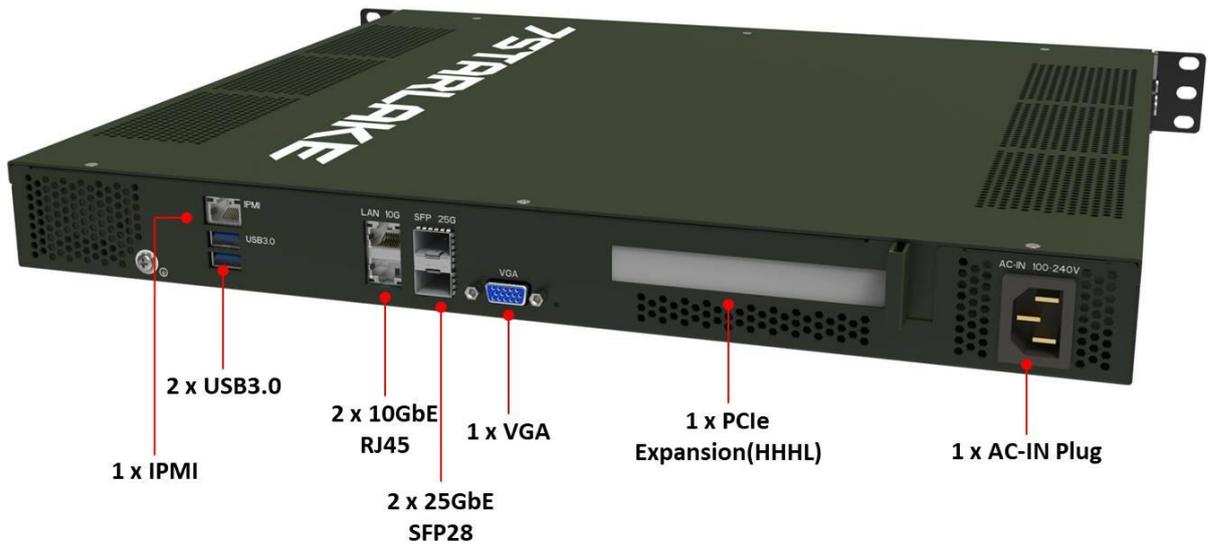- Extended Temperature -20°C to 60°C
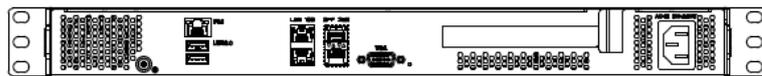
Appearance

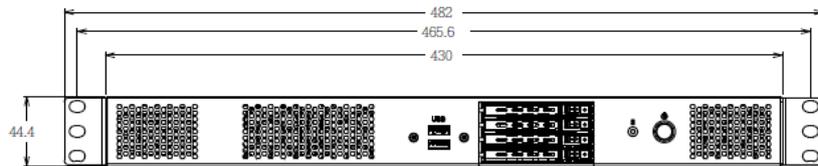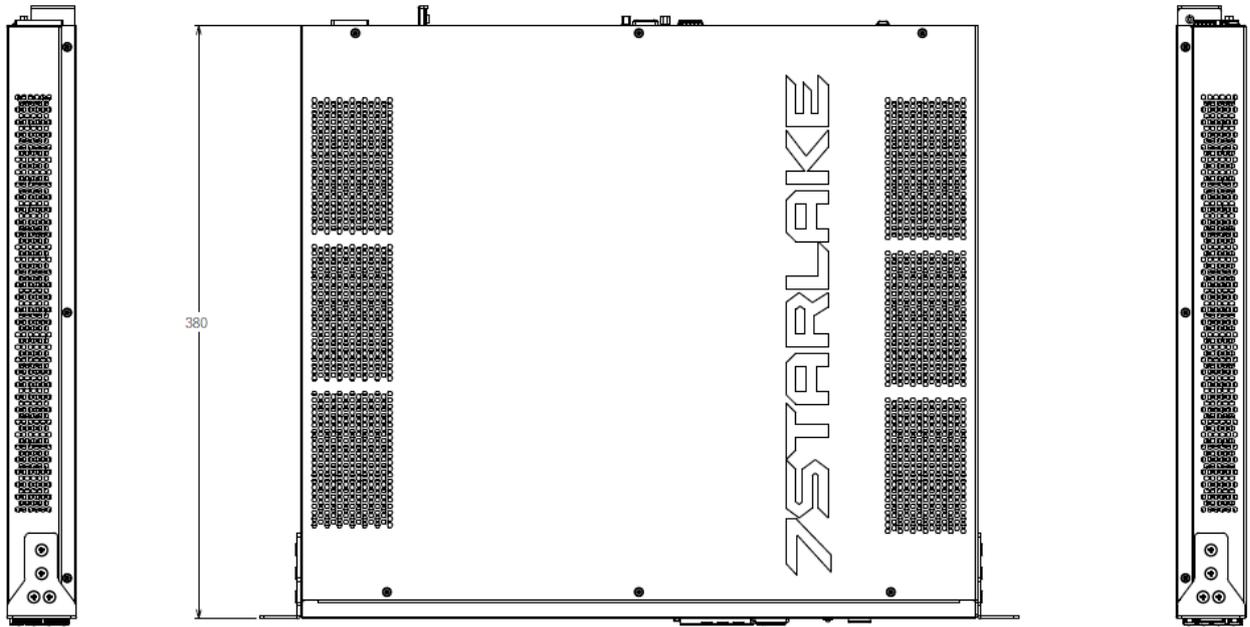**Front I/O**

2 x USB2.0

4 x Swappable SSD

1 x Power Button
w/Indicator LED

1 x SSD LED

Rear I/O

2 x USB3.0

2 x 10GbE
RJ45

1 x VGA

1 x PCIe
Expansion(HHHL)

1 x AC-IN Plug

1 x IPMI

2 x 25GbE
SFP28

Dimension

480

465.6

430

44.4

Specifications

System

High Performance Processor	Intel® Xeon® D-1736NT (2.7GHz, 8 Cores, 16 Threads, 15MB Cache) Intel® Xeon® D-1749NT (3.0GHz, 10 Cores, 20 Threads, 15MB Cache)
Memory type	Up to 128GB ECC RDIMM, DDR4-2666MT/s
Chipset	SoC, integrated with CPU
IPMI	ASPEED AST2600 BMC
Expansion Slot	1 x PCIe x16 (HHHL)

Storage

SDD	4 x 2.5" Swappable SATAIII SSD

Ethernet

Ethernet	2 x Intel® SoC 25G SFP28 2 x Intel® X550-AT2 10G RJ45

Front I/O

Easy Swap SSD Tray	4
Button	1 x Power Button w/Indicator LED
Indicator LED	SSD
USB	2 x USB2.0

Rear I/O

VGA	1
IPMI	1 x RJ45
Ethernet	2 x 25GbE SFP28 2 x 10GbE RJ45
USB Port	2 x USB 3.0
PCIe expansion	1 x PCIe x 16 slot (HHHL)
AC-IN	1 x AC plug

Power Requirement

Power Input	AC-IN 100V~240V

Operating System

Operating System	Windows 10 64bit Enterprise Windows 10 64bit Pro Workstations

Windows 10 IoT 64bit Enterprise
Windows 11 64bit Enterprise
Windows 11 64bit Pro Workstations
Windows 11 IoT 64bit Enterprise
Windows Server 2019 64bit
Windows Server 2022 64bit
RHEL 8.3 64bit
RHEL 8.4 64bit
CentOS 8.3 64bit
CentOS 8.4 64bit
Oracle 8.3 64bit
Oracle 8.4 64bit
SLES 12 SP5 64bit
SLES 15 SP3 64bit
Ubuntu 20.04.3 64bit Server
Ubuntu 21.10 64bit Server
FreeBSD 12.1
VMWare ESXi 7.0u3 x64

Physical & Environment

Dimension (W x D x H)	380 x 430 x 44.4 mm
Operating Temperature	-20 to 60°C
Storage Temperature	-40 to 85°C
Relative Humidity	5% to 95%, non-condensing
Green Product	RoHS Design to meet
EMC	CE and FCC Design to meet
MIL-STD-810	MIL-STD-810 Design to meet : Method 501, Operational Temperature, high / Procedure II: +50°C, two-hour dwell, four cycles Method 501, Storage Temperature, high / Procedure I: +70°C, two-hour dwell, four cycles Method 502, Operational Temperature, low / Procedure II: -20°C, two-hour dwell, four cycles Method 502, Storage Temperature, low / Procedure I: -40°C, two-hour dwell, four cycles Method 514, Vibration / Category 24/Non-Operating (Category 20 & 24, Vibration) Method 514, Vibration / Category 20/Operating (Category 20 & 24, Vibration) Method 516, Shock / Procedure V Non-Operating (Mechanical Shock) Method 516, Shock / Procedure I Operating (Mechanical Shock)

Ordering Information

ROC230-AC-8C

1U 19" AC-DC Short Depth Rugged Server with Intel® Xeon® D-1736NT(8C) (TDP : 67W) Processor, Up to 128GB ECC RDIMM, DDR4-2666MT/s, 1 x IPMI, 2 x 25G SFP28, 2 x 10G RJ45, 1 x VGA, 4 x USB, 4 x Swappable SSD, 1 x Expansion Slot(HHHL), 100V~240V AC-IN, Operating Temp. -20~60°C

ROC230-AC-10C

1U 19" AC-DC Short Depth Rugged Server with Intel® Xeon® D-1749NT(10C) (TDP : 90W)Processor, Up to 128GB ECC RDIMM, DDR4-2666MT/s, 1 x IPMI, 2 x 25G SFP28, 2 x 10G RJ45, 1 x VGA, 4 x USB, 4 x Swappable SSD, 1 x Expansion Slot(HHHL), 100V~240V AC-IN, Operating Temp. -20~60°C