



LAND



SEA



AIR

ROC230-DC

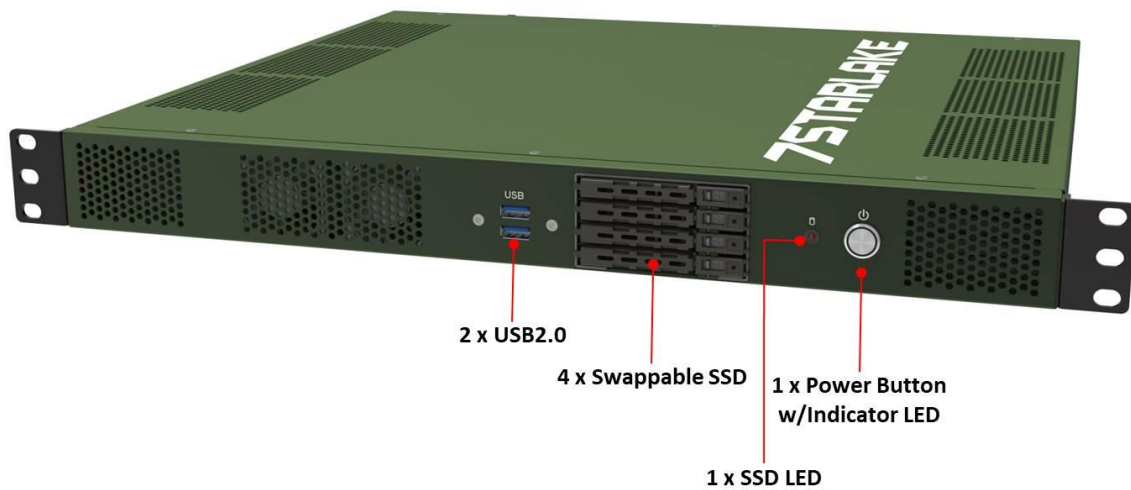
**1U SHORT DEPTH RUGGED SERVER WITH
ICE LAKE-D LCG 10C, 12V DC-IN,
INTEL® XEON® D-1736NT/ D-1749NT**



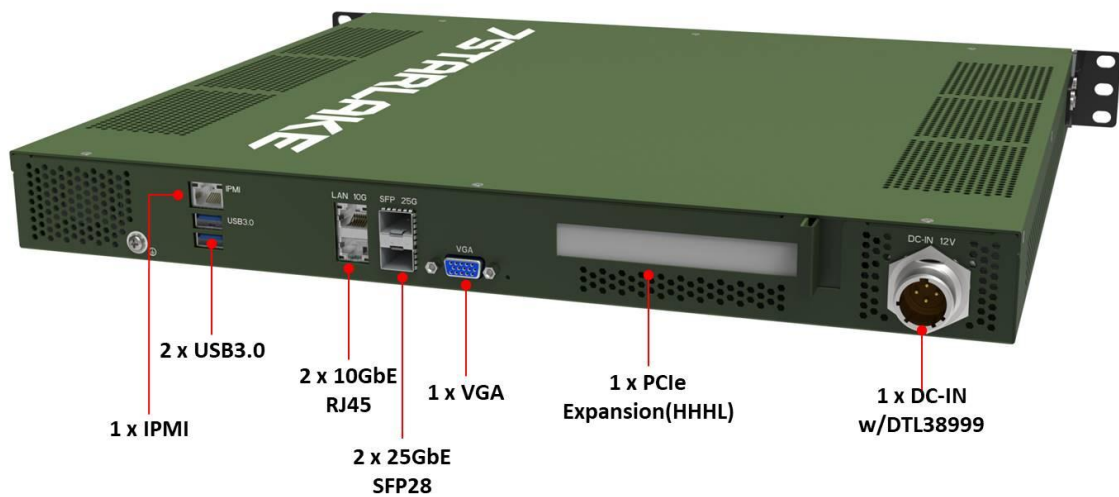
- 1U 380 mm Short Depth Rugged Server
- Intel® Xeon® D-1736NT (8C) / D-1749NT (10C)
- Up to 128GB Registered ECC RDIMM DDR4-2666MHz
- 2 x 25G SFP28, 2 x 10G RJ45, 1x IPMI
- 1x VGA , 2 x USB 3.0, 2 x USB2.0
- 4 x Swappable SSD
- PCIe x16 Expansion (HHHL)
- 12V DC-IN w/ DTL-38999
- Dimensions : 380 x 430 x 44.4 mm (D x W x H)
- Design to Meet MIL-STD-810 Standards
- Extended Temperature -20°C to +60°C

Appearance

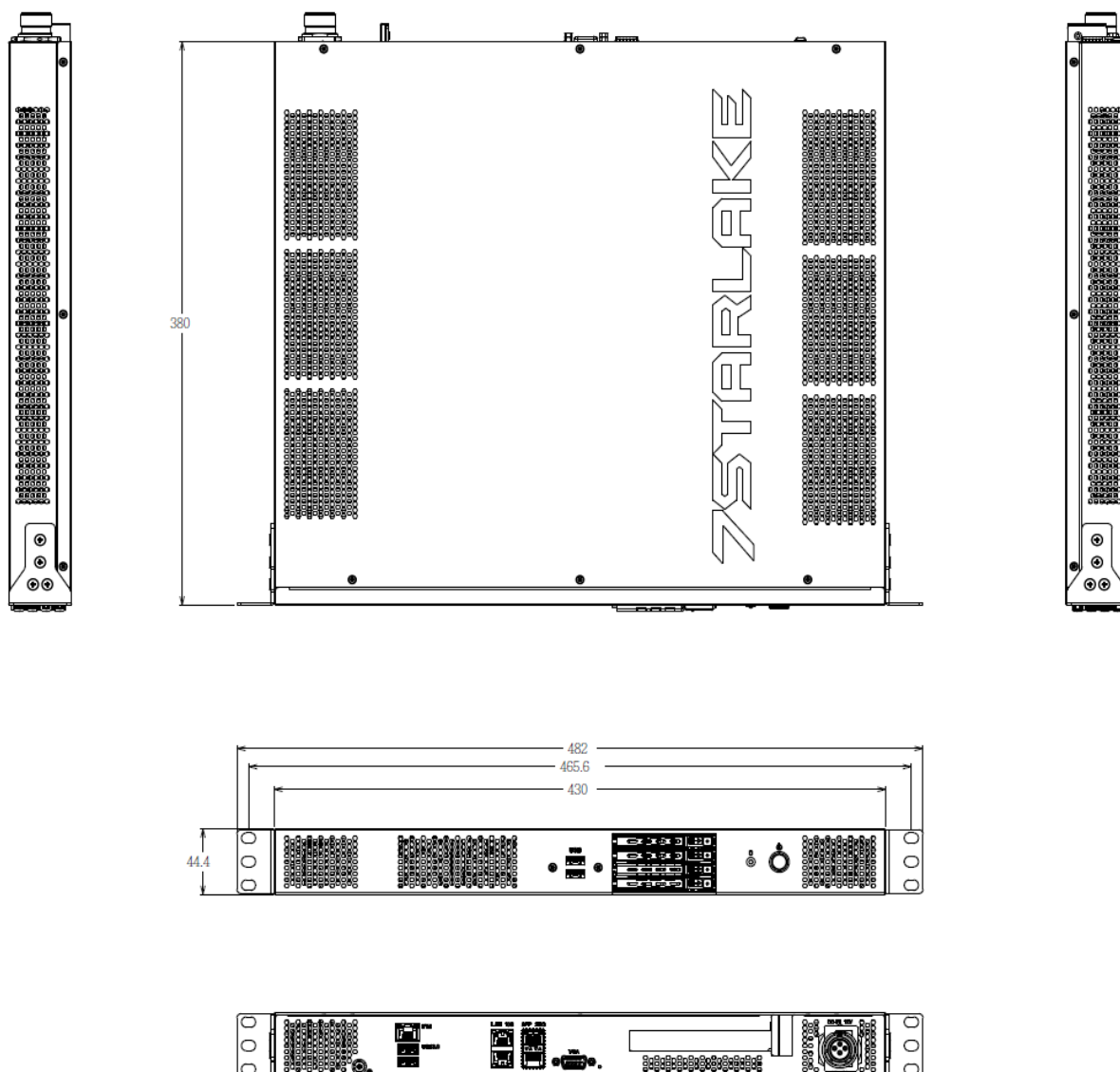
Front I/O



Rear I/O



Dimension



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
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ETHERNET

Ethernet	2 x Intel® SoC 25G SFP28 2 x Intel® X550-AT2 10G RJ45
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FRONT I/O

Easy Swap SSD Tray	4
Button	1 x Power Button w/Indicator LED
Indicator LED	SSD
USB	2 x USB 2.0

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
Expansion	1 x PCIe x16 slot (HHHL)
DC-IN	1 x DC w/DTL-38999 connector

POWER REQUIREMENT

Power Input	12V DC-IN
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OPERATING SYSTEM

Operating System	Windows 10 64bit Enterprise Windows 10 64bit Pro Workstations
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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)	430 x 380 x 44.4 mm
Operating Temperature	-20°C to 60°C
Storage Temperature	-40°C to 85°C
Relative Humidity	5% to 95%, non-condensing
Green Product	RoHS (designed to meet)
EMC	CE and FCC (designed to meet)
MIL-STD-810 (designed 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-DC-8C

1U 19" DC-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), 12V DC-IN w/DTL-38999, Operating Temp. -20°C to +60°C

ROC230-DC-10C

1U 19" DC-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), 12V DC-IN w/DTL-38999, Operating Temp. -20°C to +60°C

This datasheet is for marketing purposes only and does not constitute a warranty. All specifications, dimensions, and data are subject to change without notice. For the latest specifications and updates, please contact your 7STARLAKE representatives.