



LAND



SEA



AIR

# ROC230-AC

1U SHORT DEPTH RUGGED SERVER WITH  
ICE LAKE-D LCG 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

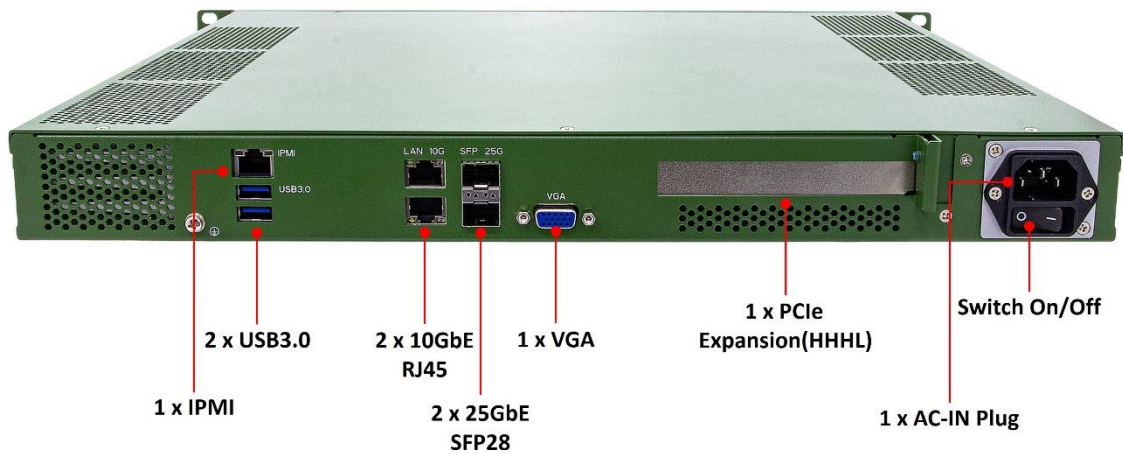


# Appearance

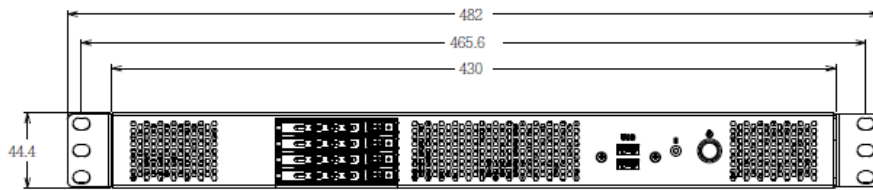
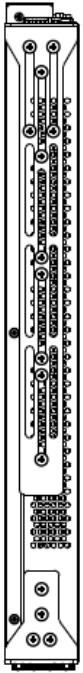
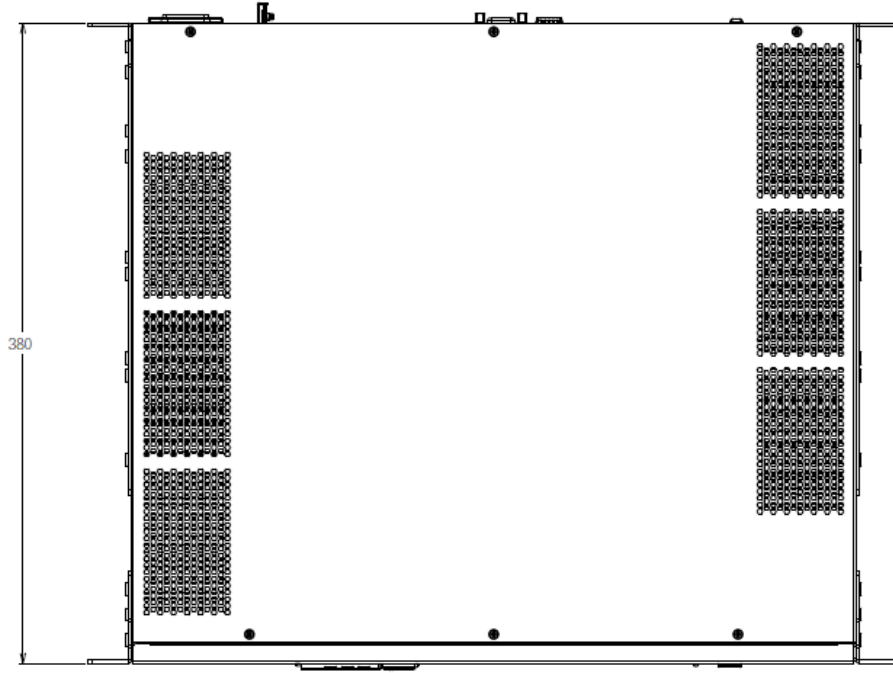
## Front I/O



## 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
-----	--------------------------------

## 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
Switch	1 x Switch On/Off

## 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

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.