



LAND



SEA



AIR

# SR800-NC

FANLESS RUGGED COMPUTER WITH  
INTEL® XEON®  
DPROCESSOR, MIL-DTL-38999 CONNECTOR



- MIL-STD-810 Thermal, Shock, Vibration, Humidity Compliance
- MIL-STD 461 EMI/EMC Compliance
- 8 Cores Intel® Xeon® D-1736NT VMware ESXi 7.0u3 X64 Support
- 128GB DDR4 ECC R-DIMM
- Rugged MIL-DTL-38999 Souriau Connector
- Dual Removable Solid-State Disk
- Hardware Secure Erase (AES)
- Windows Server 2022 64bit, Ubuntu 21.10 64bit server, VMware ESXi 7.0u3 X64 Compatible
- 18V~36V DC-IN MIL-STD-461 Power Supply



# Specifications

## SYSTEM

CPU	Intel® Xeon® Processor D-1736NT (Frequency 2.7GHz, Turbo Boost Frequency up to 3.5GHz), 8-Core,16 Thread Support, 15MB Smart Cache
Memory type	2 x DDR4 DIMMs Up to 128GB ECC RDIMM 2666MHz
Chipset	SoC, integrated with CPU

## DISPLAY

Graphics Processor	ASPEED AST2600
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## STORAGE

HDD/SSD	Dual Reomable 2.5" SATA Tray
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## REAR I/O

VGA	1 x ( M20 connector )
IPMI	1 x ( M20 connector )
USB3.0	2 x ( M20 connector )
USB2.0	1 x ( M20 connector )
X1	1 x DC-IN ( Souriau 8ST7-10G05PN )
X5	1 x 10Gigabit Ethernet ( Souriau 8ST7-10G35SA )
X6	1 x 10Gigabit Ethernet ( Souriau 8ST7-10G35SA )
X9	1 x RS232 ( Souriau 8ST7-10G35SB )

## SIDE I/O

Button	1x Secure Erase Button ( SSD2 support AES Secure Erase ) 1x Power Switch with Dedicated LED
HDD Tray	2 x Dual 2.5" HDD/SSD Easy Swap Tray
CMOS Battery Tray	1 x Removable CR2032 CMOS Battery Tray
Dedicated LED	1 x Red LED(OVHT) 5 x Green LEDs ( 2 x LAN, 1 x PWR, 1 x SSD, 1 x RDY)

## OS SUPPORT LIST

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

## MECHANICAL

Power Requirement	18V~36V DC-IN
Dimension	260 x 350 x 102 mm ( W x D x H )
Ingress Protection	IP65
Operating Temp.	0°C to 50°C
Storage Temp.	-40°C to 85°C
Relative Humidity	5% to 95%, non-condensing
System Design	Conduction Cooling

## ENVIRONMENT

MIL-STD-810 (Compliance)	Method 507.5, Procedure II ( Temperature & Humidity ) Method 516.6 Shock-Procedure V Non-Operating ( Mechanical Shock ) Method 516.6 Shock-Procedure I Operating ( Mechanical Shock ) Method 514.6 Vibration Category 24/Non-Operating ( Category 20 & 24, Vibration ) Method 514.6 Vibration Category 20/Operating ( Category 20 & 24, Vibration ) Method 501.5, Procedure I ( Storage/High Temperature ) Method 501.5, Procedure II ( Operation/High Temperature ) Method 502.5, Procedure I ( Storage/Low Temperature ) Method 502.5, Procedure II ( Operation/Low Temperature ) Method 503.5, Procedure I ( Temperature shock )
Reliability	No Moving Parts; Passive Cooling. Designed & Manufactured using ISO 9001 / 2000 Certified Quality Program.
EMC (Compliance)	MIL-STD-461 : CE102 basic curve, 10kHz - 30 MHz RE102-4, (1.5 MHz) -30 MHz - 5 GHz RS103, 1.5 MHz - 5 GHz, 50 V/m equal for all frequencies EN 61000-4-2: Air discharge: 8 kV, Contact discharge: 6kV EN 61000-4-4: Signal and DC-Net: 1 kV EN 61000-4-5: Leads vs. ground potential 1kV, Signal und DC-Net: 0.5 kV EN 61000-4-2: Air discharge: 8 kV, Contact discharge: 6kV

EN 61000-4-4: Signal and DC-Net: 1 kV  
EN 61000-4-5: Leads vs. ground potential 1kV, Signal und DC-Net: 0.5 kV  
EN 61000-4-2: Air discharge: 8 kV, Contact discharge: 6kV  
EN 61000-4-4: Signal and DC-Net: 1 kV  
EN 61000-4-5: Leads vs. ground potential 1kV, Signal und DC-Net: 0.5 kV  
EN 55022, class A  
EN 61000-4-3: 10V/m  
CE and FCC

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## Appearance

