SR800-X1

IP65 VMware Rugged GPGPU Workstation

MIL-STD 461/1275

MIL-STD 810G

- 16 Cores INTEL ® Xeon® D-1577 VMware Support
- 128GB DDR4 ECC RDIM
- Quadro P3000 MXM Support
- Dual Removable 2.5" SSD Tray
- MIL-STD 461/1275 18V~36V PSU
- M12/ DTL38999 Connector

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Specifications

System

CPU	Intel® Xeon® D-1577 Processor
Memory type	DDR4-RIM 128GB

Display

GPU	Quadro P3000 MXM module (MXM)

Storage

HDD/SSD	Dual Reomable 2.5" SATA Tray

I/O

LAN	2 x M12 connector, 10 Gbe 2 x M12 connector GbE
IPMI	1 x M12 connector
USB	3 x M12 connector (6 USB Ports)
DVI	2 x MIL-38999 22Pin connector (Amphenol TV07RW-13-35S)
Power	1 x M12 connector
12G-SDI	1 x BNC connector

OS support list

Windows	Windows server 2016
Linux	CentOS Linux 7.2 and CentOS 7.6, REDHAT 7.7

Mechanical

Power Requirement	18V~36V DC-IN x 1 (with M12 connector)
Dimension	400 x 230 x 120 mm (W x D x H)
Ingress Protection	IP54 (IP65 Optional)
Operating Temp.	0°C to 55°C
Storage Temp.	-40°C to 85°C
Relative Humidity	5% to 95%, non-condensing
System Design	Conduction Cooing

Environment

	MIL-STD-810F Test		MIL-STD-810G Test	
Operating Tests				
Low Temperature	Method 502.4 Procedure 2	0˚C, 4 hours, change rate: ≦ 20˚C.	Method 502.5 Procedure 2	exposure(24h x 3 cycle) at -40℃ min.
High Temperature	Method 501.4 Procedure 2	+50˚C, 4 hours, change rate: ≦ 20˚C.	Method 501.5 Procedure 2	60ºC for 2 hours after temperature stabilization.
Humidity	Method 507.4	85%-95% RH without condesatin, 24 hours/ cycle, conduct 10 cycle.	Method 507.5 Procedure 2	RH -95%. Test cycles: ten 24-hours , functional test after 5th and 10th cycles
Vibration	Method 514.5 Category 4, figure 514.5C-3	5-500Hz, Vertical 2.20Grms, 40mins x 3axis.	Method 514.6 Category 20	10—500Hz 1.04Grms Test duration: 1 hours x 3 axis (total 3 hours)
Shock	Method 516.5 Procedure 1	20 Grms, 11ms, 3 axes.	Method 516.6 Procedure 1	20G, 11mSec, 3 per axis
Non-Operating Tests				
Low Temperature Storage	Method 502.4	-33˚C, 4 hours, change rate: ≦ 20˚C.	Method 502.5	exposure(24h x 7 cycle) at -40℃ min.
High Temperature Storage	Method 501.4 Procedure 1	+71˚C, 4 hours, change rate: ≦ 20˚C.	Method 501.5 Procedure 1	71ºC for 2 hours after temperature stabilization.
Vibration	Method 514.5 Category 4, figure 514.5C-3	5-500Hz, Vertical 2.20Grms, 40mins x 3axis.	Method 514.6 Category 24	200 to 2000Hz Test duration: One hour per axis; rms = 7.7 gs
Shock	Method 516.5	20 Grms, 11ms, 3 axes.	Method 516.6 Procedure V	40G, 11ms, 3 pluse.

EMC/EMI	MIL-461/1275	18V-36V 300W

Dimension