



LAND



SEA



AIR

SR800-X1

IP65 VMWARE RUGGED GPGPU
WORKSTATION



- 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

Specifications

SYSTEM

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

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| GPU | Quadro P3000 MXM module (MXM) |
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STORAGE

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| HDD/SSD | Dual Reomable 2.5" SATA Tray |
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I/O

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

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|---------|---------------------|
| Windows | Windows server 2016 |
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| Linux | CentOS Linux 7.2 and CentOS 7.6, REDHAT 7.7 |
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MECHANICAL

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

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|---------------|-------------------|
| 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: \leq 20°C. | Method 502.5 Procedure 2 | exposure(24h x 3 cycle) at -40°C min. |
| High Temperature | Method 501.4 Procedure 2 | +50°C, 4 hours, change rate: \leq 20°C. | Method 501.5 Procedure 2 | 60°C for 2 hours after temperature stabilization. |
| Humidity | Method 507.4 | 85%-95% RH without condensation, 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: \leq 20°C. | Method 502.5 | exposure(24h x 7 cycle) at -40°C min. |
| High Temperature Storage | Method 501.4 Procedure 1 | +71°C, 4 hours, change rate: \leq 20°C. | Method 501.5 Procedure 1 | 71°C 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

