

The First Off-The-Shelf

Extreme Conditions High Deployment Sealed Server







- Up to dual Xeon Processors, 28 cores per server
- Up to 2TB of Memory
- Redundant AC / DC input Power Supply
- Dual Fiber 10 GbE
- Enables Customized 3rd Party Cards



Tough & Durable

- Designed from the ground up for outdoor conditions
- Operates on Land, Sea and Air
- Ultra Sealed with Water,
 Sand and Dust Protection
- Operational Temp. Range
 -40°C to +50°C (Optional 60°C)
- EMC Shielding



Compact & Flexible

- Fits Complex and Tight Spaces
- Unique Small Form Factor
- Depth: Only 420mm
- Width: Standard 19"
- Height: 2U and 3U Form Factor







Versatile Sealed Server

Extreme conditions high deployment sealed server. Dual Xeon Processors. Up to 2T of Memory. Designed to meet MIL-STD-810 & MIL-STD-461. highly configurable to support different Xeon processors, memory size and GPU deployment.



SPECIFICATIONS		
Processor	Intel Xeon Scalable-SP and 2nd Gen Intel Xeon Scalable-SP processors Up to 115W TDP for single CPU, 85W TDP for dual CPUs	
Memory	Up to 2TB of 3DS LRDIMM/LRDIMM/RDIMM/NV-DIMM DDR4 ECC	
Storage	1 X Internal SSD, 1 X Removable SSD	
Expansion	PCle x16 gen3, PCle x8/x16 gen2	
IO Ports	2 x LAN, 2 x Fiber 10GBASE LR/SR, 4 x USB, HW RAID (Optional), RS 232, VGA	
Additional Options	USB 3.0 interface, DP/ HDMI interface, Support customer's PCle add-on card Support TPM (Trusted Platform Module) in order to enhance data integrity and network security	
Server Management	Integrated Baseboard Management Controller, IPMI 2.0 compliant, SNMP support	
Small Dimension Form Factor	2U (H); 19" (W), 420mm (D)	3U (H); 19" (W), 420mm (D)
Power AC	90V-230V, 50/60/400 Hz, redundant dual input, fault tolerant structure	
Power DC	16V to 34V, redundant dual input, fault tolerant structure	

Environment	Designed to meet vast range of harsh environmental standards	
Temperature - Operation	-40°C to +50°C (Optional 60°C) Cold Start Supported	
Temperature - Storage	-40°C to +85°C	
Ingress Protection	IP 65: Blowing Rain, Sand, Dust	
Humidity - Operation	95%RH @45°C	
Altitude	0-15,000ft	
Vibration	0.03 g ² /Hz between 5-500 Hz 1 HR per axis, Ground Mobile, Naval, Airborne, according to MIL-STD-810G	
Shock - Operational	20g 11ms Saw tooth 6 shocks per axis, according to MIL-STD-810G	
EMI / RFI / ESD	ESD per CISPR 24 B, CISPR 22, EMI/RFI per MIL-STD-461E	
Part Number	SP-SRV-3U-S / SP-SRV-2U-S	

^{*} Preliminary, for availability info consult factory



Front view



Rear view

