



LAND



SEA



AIR

7SL-DL380-G11

INTEL® 4/5TH XEON SP 2U/2P SHORT-
DEPTH MILITARY RUGGED HPC



- Dual Intel® 4th /5th Xeon Scalable Processor CPUs with up to 60 Cores
- 32 x DDR5 DIMM Slot, 256GB RDIMM 4800 MT/s up to 8TB
- Front bays: Up to 8 x 2.5-inch SATA III, SAS, or NVMe SSDs max 64 TB,
- iSCSI Software Initiator Support, UEFI Secure Boot and Secure Start support, TPM 2.0
- 1 x Dedicated iLO Management Port
- 1 x VGA, 3 x USB 3.0
- 6 x PCIe Gen5 slots, 2 x OCP3.0 slots
- Redundant 800W Platinum power supply support 100V-240V
1+1 active-active support hot plug
- Conformal coating (optional)
- Design to meet MIL-STD-810

Introduction

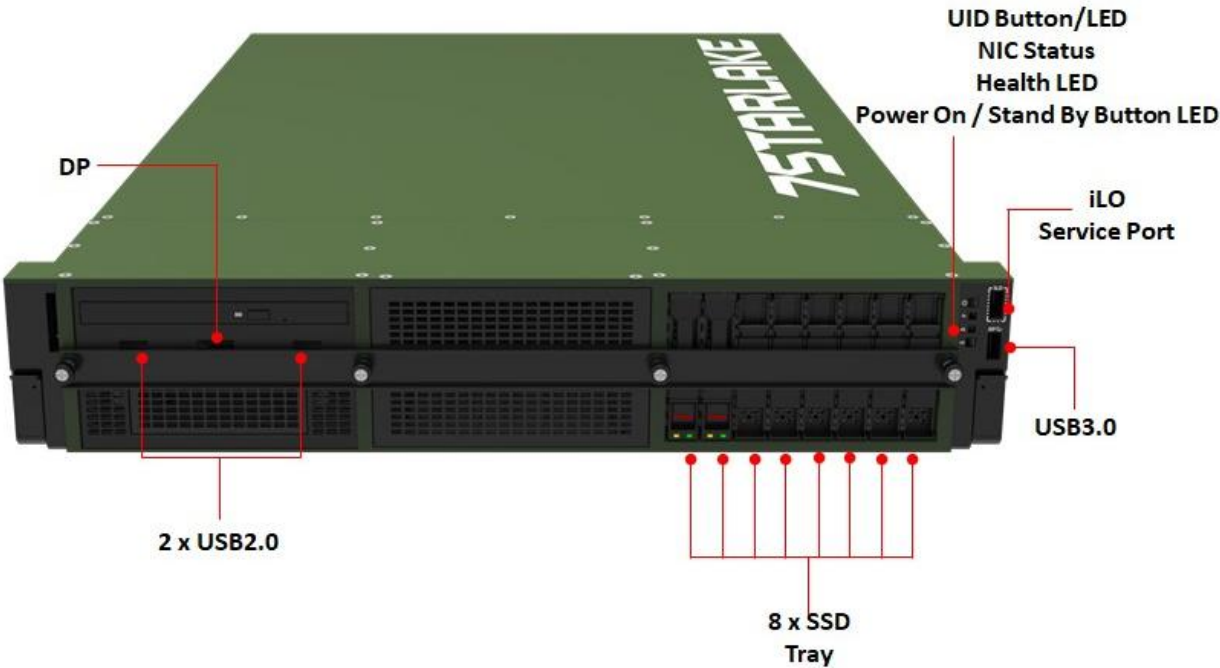
Built as a high-performance 2U, dual-socket rackmount platform, the 7SL-DL380-G11 supports dual 5th-Gen Intel® Xeon® Scalable processors with up to 60 cores, delivering exceptional compute density for data-intensive and mission-critical workloads. Its advanced DDR5 memory architecture and PCIe Gen5 I/O subsystem provide high bandwidth and low latency across enterprise, data center, and hybrid cloud environments. With optional GPU acceleration and integrated security technologies, including silicon root of trust and HPE iLO management, the platform is engineered to meet the demands of modern, performance-driven applications.

The 7SL-DL380-G11 offers extensive configuration flexibility with 32 x DDR5 DIMM slots supporting 256GB RDIMM 4800 MT/s modules and memory capacity up to 8 TB. Storage scalability includes up to 8 front 2.5-inch SATA III, SAS, or NVMe SSD bays for a maximum of 64 TB, along with rich expansion capabilities provided by 6 x PCIe Gen5 slots and 2 x OCP 3.0 slots.

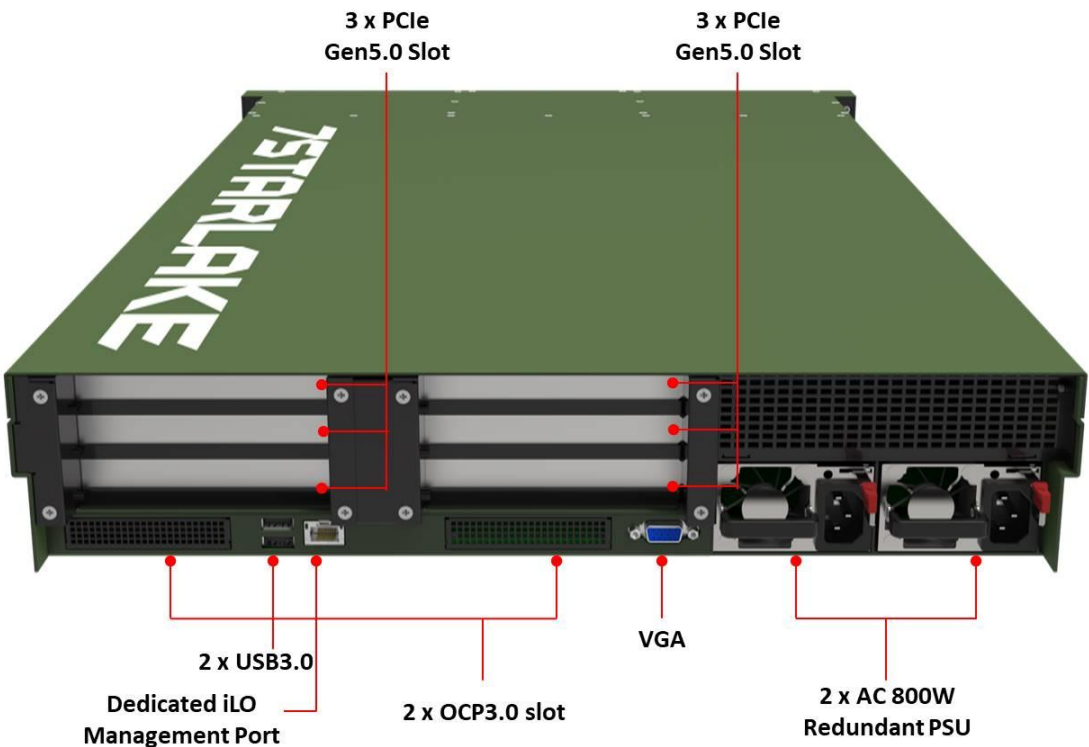
The Rugged 7SL-DL380-G11 further extends this platform with hardened construction designed for deployment in harsh, remote, or security-sensitive environments. A reinforced chassis, dust-resistant design, optional PCB conformal coating, and resilience to shock, vibration, humidity, and wide temperature ranges ensure reliable operation under extreme conditions. Optimized for defense, industrial, mobile data center, and outdoor use cases, it delivers enterprise-class performance combined with the durability required for mission-critical edge operations.

Appearance

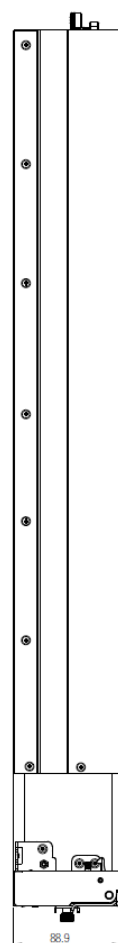
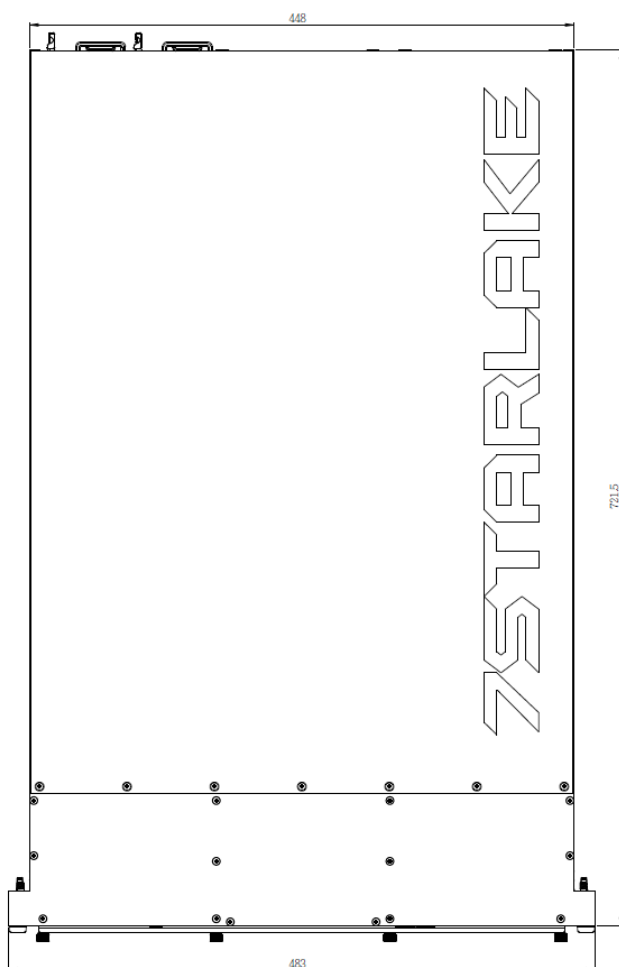
Front I/O



Rear I/O



Dimensions



Specifications

SYSTEM

CPU	Dual 4/5th Gen Intel® Xeon® Scalable Processors up to 60 cores, TDP up to 350W
Memory Type	32 x DDR5 DIMM Slot, 256GB RDIMM 4800 MT/s up to 8 TB
Storage Device	8 x 2.5" Swappable SATA SAS, or NVMe SSD up to 64TB
Optical Drive	DVD-ROM Optional via Universal Media Bay External support only
TPM	TPM2.0 (UEFI Boot Mode support)
IPMI	Dedicated iLO Management Port
BIOS	AMI UEFI BIOS

EXPANSION

M.2	6 x PCIe Gen5.0 x16 slots (4 x PCIe Gne5.0 x 16 Bus Width ; 2 x PCIe Gne5.0 x 8 Bus Width)
OCP3.0	2 x OCP3.0 slots

FRONT I/O

Power Button	1
Stand By Button	1
LED	1 x Health LED ; 1x UID LED
Swappable SSD Tray	8
DVD-RW Optical Drive	1
USB	1 x USB3.0 ; 2x USB2.0
DP	1
iLO Server Port	1

REAR I/O

IPMI	1 x Dedicated iLO Management Port
USB3.0	2
Display Port	1x VGA
Expansion	6 x PCIe Gen5.0 x16 slots 2 x OCP3.0 slots
Power	2 x AC Redundant 800 W Flex Slot Platinum 100~240V VAC

POWER REQUIREMENT

Power Supply	800W Flex Slot Platinum Hot Plug Low Halogen Power Supply (Option)1000W Flex Slot Titanium Hot Plug Low Halogen Power Supply (Option)1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply
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OPERATING SYSTEM

Operating System	Windows Server 2019/2022/2025 Linux (support by request)
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PHYSICAL & ENVIRONMENT

Dimensions (W x D x H)	483 x 721.5 x 88.9 mm
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Operating Temperature	-10°C to +55°C
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Storage Temperature	-20°C to +60°C
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Relative Humidity	5% to 95%, non-condensing
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EMC	CE and FCC designed to meet
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MIL-STD-810 ENVIRONMENT TESTING STANDARDS

MIL-STD-810 Designed to meet	Method 500.5, Procedures I and II (Altitude, Operation): 12,192M, (40,000 ft) for the initial cabin altitude (18.8Kpa or 2.73 Psia) Method 500.5, Procedures III and IV (Altitude, Non-Operation): 15,240, (50,000 ft) for the initial cabin altitude (14.9Kpa or 2.16 Psia) 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) Method 507.5, Procedure II (Temperature & Humidity) Method 509.7 Salt Spray (50±5)g/L(Optional for Conformal Coating) Method 514.6, Vibration Category 24/Non-Operating (Category 20 & 24,Vibration) Method 514.6, Vibration Category 20/Operating (Category 20 & 24,Vibration) Method 516.6, Shock-Procedure V Non-Operating (Mechanical Shock) Method 516.6, Shock-Procedure I Operating (Mechanical Shock)
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Ordering Information

7SL-DL380-G11

2U/2P Short-Depth Military Rugged HPC with Intel® 4th/5th Xeon SP Dual Processor up to 60C, TDP up to 350W, 32 x DDR5 DIMM Slot, 256GB RDIMM 4800 MT/s up to 8 TB, 8 x 2.5" Swappable SATA SAS or NVMe SSD up to 64TB, 6 x PCIe Gen5.0 Slot & 2 x OCP3.0 Slot expansion, 1 x VGA, 5 x USB, 1 x DP, 1 x iLO RJ45, Operating Temperature -10°C to +55°C

OCP3.0 optional NIC Card :

1 Gigabit Ethernet adapters

- ✧ Broadcom BCM5719 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE P51181-B21
- ✧ Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE P08449-B21
- ✧ Broadcom BCM5719 Ethernet 1Gb 4-port BASE-T Adapter for HPE P51178-B21
- ✧ Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE P21106-B21

10 Gigabit Ethernet adapters

- ✧ Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T OCP3 Adapter for HPE P10097-B21
- ✧ Broadcom BCM57412 Ethernet 10Gb 2-port SFP+ OCP3 Adapter for HPE P26256-B21
- ✧ Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T Adapter for HPE P26253-B21
- ✧ Broadcom BCM57412 Ethernet 10Gb 2-port SFP+ Adapter for HPE P26259-B21

25 Gigabit Ethernet adapters

- ✧ Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE P26269-B21
- ✧ Broadcom BCM57414 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE P10115-B21
- ✧ Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE P41614-B21
- ✧ Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE P10106-B21

100 Gigabit Ethernet Adapters

- ✧ Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE P22767-B21
- ✧ Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 OCP3 Adapter for HPE P73114-B21
- ✧ Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 Adapter for HPE P73111-B21
- ✧ Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE P25960-B21

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.