



SPECIFICATIONS	VELOS CX410-N (DC-NEBS)	VELOS CX410
Dimensions:	H: 6.9 inches (17.5 cm) x W: 17.4 inches (44.2 cm) x D: 32.0 inches (81.3 cm) rack-mount chassis	H: 6.9 inches (17.5 cm) x W: 17.4 inches (44.2 cm) x D: 32.0 inches (81.3 cm) rack-mount chassis
Weight:	Empty chassis, as shipped (0 blades, 8 blanks, 2 power supplies, 1 fan tray, 2 system controllers, 2PSU controllers): 132 pounds (60 kg) DC power supply: 6.8 pounds (3.1 kg) Power supply blank: 0.2 pounds (0.09 kg) Blade blank: 0.1 pounds (0.05 kg) Fan tray: 12.0 pounds (5.4 kg) System controller: 10.5 pounds (4.8 kg) VELOS PSU Controller (VPC): 0.5 pounds (0.2 kg)	Empty chassis, as shipped (0 blades, 8 blanks, 2 power supplies, 1 fan tray, 2 system controllers, 2PSU controllers): 132 pounds (60 kg) AC power supply: 6.4 pounds (2.9 kg) Power supply blank: 0.2 pounds (0.09 kg) Blade blank: 0.1 pounds (0.05 kg) Fan tray: 12.0 pounds (5.4 kg) System controller: 10.5 pounds (4.8 kg) VELOS PSU Controller (VPC): 0.5 pounds (0.2 kg)
Power Supply:	Two (default) to four 3000W, -48 to -60 VDC input, 85A per cord (max, 170A total)	Two (default) to four 3000W, 200-240 VAC input, 17A per cord (max, 34A total)
Operating Temperature:	23° to 131°F (-5° to 55°C) as per NEBS GR-63-CORE standard	32° to 104°F (0° to 40°C)
Relative Humidity:	5% to 85% (40°C) non-condensing Up to 93% (40°C) non-condensing for a maximum of 96 hours	5% to 85% (40°C) non-condensing Up to 93% (40°C) non-condensing for a maximum of 96 hours
Safety Agency/Approval:	Harmonised standards: IEC 62368-1:2014 (second edition) EN 62368-1:2014+A11:2017 CSA C22.2 No. 62368-1-14, UL 62368-1, 2nd edition ETSI EN 300 386 V1.6.1 (2012) Class A EN 55032:2012/AC:2013 Class A EN 55024:2010 Class A IEC 63000:2018	Harmonised standards: IEC 62368-1:2014 (second edition) EN 62368-1:2014+A11:2017 CSA C22.2 No. 62368-1-14, UL 62368-1, 2nd edition ETSI EN 300 386 V1.6.1 (2012) Class A EN 55032:2012/AC:2013 Class A EN 55024:2010 Class A IEC 63000:2018
Redundancy (Power):	Supports N+1 or N+N redundancy	Supports N+1 or N+N redundancy
System Controller SX410:	Two (default) SX410 System Controller included 1x 10GBase-T 1x USB 3.0 1x serial console 960GB NVMe SSD 8-Core Intel SoC 32 GB DDR4 memory	Two (default) SX410 System Controller included 1x 10GBase-T 1x USB 3.0 1x serial console 960GB NVMe SSD 8-Core Intel SoC 32 GB DDR4 memory
Hardware Certification Model:	CX410-N	CX410
Trusted Platform Module (TPM):	TPM 2.0	TPM 2.0

Notes: Please refer to the [Platform Guide](#) for more information.



SPECIFICATIONS	VELOS BX110
Intelligent Traffic Processing:	L4/L7 throughput 95/95 Gbps 3.0M L7 (inf-inf) requests per second 1.2M L4 connections per second Max hardware compression 65 Gbps SSL bulk throughput 50G Maximum SSL TPS 100,000 (RSA 2K Keys) 70,000 (ECDHE P-256-ECDSA) 55,000 (ECDHE P-256-RSA-2K)
Virtualization (vCPUs):	14-core 28 vCPU Multitenancy support: upto 22vCPU available to user. Supported Tenant Deployment options (1,2,4,6,8,10,12,14,16,18,20,22 vCPU's)
Processors:	Single Intel 14-core Xeon processor (total 28 hyperthreaded logical processor cores)
Memory:	128GB (DDR4)
Hard Drive Capacity:	1x 960GB M.2 NVMe SSD (over provisioned 30%, 700 GB user capacity)
Network Interfaces:	2x QSFP28 (backward compatible to QSFP+) ports supporting: 100G QSFP28 LR4, SR4, and PSM4 (Breakout cable supports 4x SFP28 25G LR or 4x SFP28 25G SR) 40G QSFP+ LR4, SR4, and PSM4 (Breakout cable supports 4x SFP+ 10G LR or 4x SFP+ 10G SR)
Power Consumption and Heat Output:	Please refer to Platform Guide: VELOS CX Series for the latest specific power ratings
Weight:	7.3 pounds (3.3 kg)
Width:	Quarter-width
Hardware Compression and SSL:	Integrated Intel Quick Assist
Front Panel and Backplane Data Path:	100% FPGA
Management Interfaces:	1x USB3.0
AOM:	F5 LOP (Lights-Out Processor)
Trusted Platform Module (TPM):	TPM 2.0
NEBS:	Yes (with DC NEBS chassis)
Field Serviceable Components:	None

Notes: Please refer to the [Platform Guide](#) for more information. PRELIMINARY RELEASE NUMBERS. SUBJECT TO CHANGE.