



NX-1000 SERIES

	Per Node (4 per Block)
Model	NX-1065-G6 (Configure to Order) 
Server Compute*	Dual Intel Skylake: Silver 4108 [8 cores / 1.8 GHz], Silver 4114 [10 cores / 2.2 GHz]
Storage Capacity	HYBRID 1x SSD: [960 GB or 1.92 TB], 2x HDD: [2 TB, 4 TB, 6 TB, 8 TB], 2x M.2 Boot [240 GB]
Memory	128 GB, 192 GB, 256 GB, 384 GB
Network Connections	LOM: 2x 10GbBase-T, 1x 1GbE IPMI Add-on: 1x Dual-Port 10GbE SFP+ or 1x Quad-Port 10GbE SFP+ or 1x Dual-Port 10GbBase-T
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS

	Per Block
Dimensions	Height: 3.46" (88mm), Width: 18.98" (482mm), Depth: 33.27" (845mm) Rack Units: 2U
Weight	93 lbs. (42.18kg) stand-alone, 130.1 lbs. (59kg) package, 7.1 lbs (3.2kg) node
System Cooling	4x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C) Non-Op Temp Rng: -40°-158°F (-40°- 70°C) Op Humidity Rng (non-condensing): 20-95% Non-Op Humidity Rng: 5-95%
Power Consumption	1519W maximum, 968W typical
Power Supply (Dual Supply / Block)	2.2kW Output @ 220V-240V, 10A-9.8A, 50-60Hz; 1.2kW Output @ 100V-127V, 14A-11A, 50-60Hz
Thermal Dissipation	5184 BTU/hr maximum, 3302 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz


* number of cores per CPU socket

NX-1000 SERIES (cont.)

Per Node (1 per Block)	
Model	NX-1175S-G6 (Configure to Order) 
Server Compute	Single Intel Skylake: Silver 4108 [8 cores / 1.8 GHz], Silver 4116 [12 cores / 2.1 GHz], Gold 6140 [18 cores / 2.3 GHz]
Storage Capacity	HYBRID
	ALL FLASH ^f
	2x SSD: [480 GB, 960 GB, 1.92 TB or 3.84 TB] 2x HDD: [2 TB, 4 TB, 6 TB or 8 TB]
	2x, 4x SSD: [480 GB, 960 GB, 1.92 TB or 3.84 TB]
Memory	64 GB, 96 GB, 128 GB, 192 GB
Network Connections	1x 2x Dual-Port 1GbE RJ45 or 1x 2x Dual-Port 10GBase-T or 1x 2x Dual-Port 10GbE SFP+ or 1x 2x Quad-Port 10GbE SFP+
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS


Per Block	
Dimensions	Height: 1.7" (43mm), Width: 19.06" (484mm), Depth: 29.60" (752mm)
Weight	31.10 lbs. (14.11kg) stand-alone, 46.3 lbs. (21kg) package
System Cooling	5x40mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 32°-122°F (0°- 50°C) Non-Op Temp Rng: 14°-158°F (-10°- 70°C) Op Humidity Rng (non-condensing): 20-90% Non-Op Humidity Rng (non-condensing): 5-95%
Power Consumption	334W maximum, 217W typical
Power Supply (Dual Supply / Block)	500W Out @100-120V, 6.1-2.6A, 50-60Hz; 80-PLUS PLATINUM
Thermal Dissipation	1140 BTU/hr maximum, 741 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz

NX-1000 SERIES (cont.)

	Per Node (1 per Block)	
Model	NX-1175S-G5 (Configure to Order) 	
Server Compute	Single Intel Broadwell: E5-2620v4 [8 cores / 2.1 GHz], E5-2650v4 [12 cores / 2.2 GHz]	
Storage Capacity	HYBRID	ALL FLASH †
	2x SSD: [480 GB, 960 GB, 1.92 TB or 3.84 TB] 2x HDD: [2 TB, 4 TB or 6 TB]	2x, 4x SSD: [480 GB, 960 GB or 1.92 TB]
Memory	64 GB, 96 GB, 128 GB, 256 GB	
Network Connections	2x 1GbE, 1x 1GbE IPMI Add-on: 1x Dual-Port 1GbE or 1x Dual-Port 10GBase-T or 1x Dual or Quad-Port 10GbE SFP+	
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS	

	Per Block
Dimensions	Height: 1.7" (43mm), Width: 19.05" (484mm), Depth: 25.60" (650mm)
Weight	31.90 lbs. (14.46kg) stand-alone, 90.15 lbs. (40.9kg) package, 5.25 lbs (2.4kg) node
System Cooling	5x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C) Non-Op Temp Rng: -40°-158°F (-40°- 70°C) Op Humidity Rng (non-condensing): 20-95% Non-Op Humidity Rng (non-condensing): 5-95%
Power Consumption	260W maximum, 200W typical
Power Supply (Dual Supply / Block)	500W Out @100-120V, 6.1-2.6A, 50-60Hz; 80PLUS TITANIUM
Thermal Dissipation	690 BTU/hr maximum, 680 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz


NX-3000 SERIES

Per Node (4 per Block)			
Model	NX-3060-G6 (Configure to Order) 		
Server Compute*	Dual Intel Skylake: Silver 4108 [8 cores / 1.8 GHz], Silver 4114 [10 cores / 2.2 GHz], Silver 4116 [12 cores / 2.1 GHz], Gold 5120 [14 cores / 2.2 GHz], Gold 6130 [16 cores / 2.1 GHz], Gold 6138 [20 cores / 2.0 GHz], Gold 6126 [12 cores / 2.6 GHz]		
Storage Capacity	HYBRID	ALL FLASH †	All-Flash with NVMe
	2x SSD: [960 GB, 1.92 TB or 3.84 TB]; 4x HDD: [2 TB];	2x, 4x or 6x SSD: [960 GB, 1.92 TB or 3.84 TB]	2x NVMe: [1.6 TB] + 4x SSD: [1.92 TB or 3.84 TB]
	2x M.2 Boot [240 GB]		
Memory	192 GB, 256 GB, 384 GB, 512 GB or 768 GB		
Network Connections	1x Dual 10GBase-T LOM Add-on: Up to 2x Dual-Port 10GbE SFP+ or 2x Quad-Port 10GbE SFP+ or 2x Dual-Port 10GBase-T or 1x Dual-Port 25GbE SFP+		
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS		

Per Block	
Dimensions	Height: 3.5" (89mm), Width: 19.05" (484mm), Depth: 31.50" (800mm): Rack Units: 2U
Weight	78 lbs. (35.38kg) stand-alone, 115 lbs. (52.16kg) package
System Cooling	4x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C); Non-Op Temp Rng: -40°-158°F (-40°- 70°C); Op Humidity Rng (non-condensing): 8-90%; Non-Op Humidity Rng (non-condensing): 5-95%
Power Consumption	2080W maximum, 1700W typical
Power Supply (Dual Supply / Block)	1.2kW Out @100-120V, 14-11A, 50-60Hz; 2.09kW Out @200-240V, 14-11A, 50-60Hz; 80PLUS TITANIUM
Thermal Dissipation	7098 BTU/hr maximum, 5800 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz

* number of cores per CPU socket
Trusted Protection Module (TPM) 2.0 Hardware Ready


NX-3000 SERIES (cont.)

	Per Node (1 per Block)	
Model	NX-3155G-G6 (Configure to Order) 	
Server Compute*	Dual Intel Skylake: Silver 4116 [12 cores / 2.1 GHz], Gold 5120 [14 cores / 2.2 GHz], Gold 6130 [16 cores / 2.1 GHz], Gold 6134 [8 cores / 3.2 GHz], Gold 6148 [20 cores / 2.4 GHz], Gold 6152 [22 cores / 2.1 GHz], Platinum [28 cores / 2.1 GHz]	
Storage Capacity	HYBRID	ALL FLASH †
	2x SSD: [960 GB, 1.92 TB or 3.8 TB] + 4x HDD: [6 TB or 8 TB]	6x SSD: [960 GB, 1.92 TB, or 3.8 TB]
	2x M.2 Boot [240 GB]	
Memory	192 GB, 256 GB, 384 GB, 512 GB, 768 GB, 1 TB, 1.5 TB	
Network Connections	LOM: 2x 10GBase-T, 1x 1GbE IPMI 1x-3x Add-on NIC: Dual-Port 10GBase-T or Dual-Port 10GbE SFP+ or Quad-Port 10GbE SFP+ or Dual-Port 25GbE SFP+ or Dual-Port 40GbE QSFP+	
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS	
GPU†	1x or 2x GPU: [M10, P40 or V100 (16GB/32GB)]	

	Per Block
Dimensions	Height: 3.5" (89mm), Width: 17.2" (437mm), Depth: 28.46" (723mm) Rack Units: 2U
Weight	36 lbs. (16.4kg) stand-alone, 81 lbs. (36.74kg) package
System Cooling	4x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-86°F (10°-30°C); Non-Op Temp Rng: -40°-158°F (-40°- 70°C); Op Humidity Rng (non-condensing): 20-90%; Non-Op Humidity Rng: 5-95%
Power Consumption	1400W maximum power, 980W typical
Power Supply (Dual Supply / Block)	1.6kW Out: 100-240V, 13.A-8.0A, 50-60Hz; 8OPLUS TITANIUM
Thermal Dissipation	4777 BTU/hr maximum, 3344 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz

* number of cores per CPU socket
† Optional


NX-3000 SERIES (cont.)

Per Node (1 per Block)	
Model	NX-3155G-G5 (Configure to Order) 
Server Compute*	Dual Intel Broadwell: E5-2650v4 [12 cores / 2.2Ghz], E5-2667v4 [8 cores / 3.2Ghz], E5-2680v4 [14 cores / 2.4 GHz], E5-2695v4 [18 cores / 2.1GHz], Platinum 8176 [28 cores / 2.1 GHz]
Storage Capacity	HYBRID
	2x SSD: [480 GB, 960 GB or 1.92 TB] 4x HDD: [2 TB, 4 TB, 6 TB or 8 TB]
	ALL FLASH ^f
	6x SSD: [960 GB, 1.92 TB, or 3.8 TB]
	2x M.2 Boot [240 GB]
Memory	128 GB, 192 GB, 256 GB, 384 GB, 512 GB, 640 GB, 768 GB, 1 TB, 1.5 TB
Network Connections	4x 1GbE, 1x 1GbE IPMI Add-on: Up to 3x Dual-Port 10GBase-T or 3x Dual-Port 10GbE or 3x Quad-Port 10GbE
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS
GPU	Up to 2x M10, 2x M60 or 2x P40

Per Block	
Dimensions	Height: 3.46" (88mm), Width: 19.25" (489mm), Depth: 31.22" (793mm) Rack Units: 2U
Weight	60.63 lbs. (27.52kg) stand-alone, 78 lbs. (35.33kg) package
System Cooling	4x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C); Non-Op Temp Rng: -40°-158°F (-40°- 70°C); Op Humidity Rng (non-condensing): 8-95%; Non-Op Humidity Rng: 5-95%
Power Consumption	1492W maximum power, 1350W typical
Power Supply (Dual Supply / Block)	1.0kW Out @100-127V, 13.0-9.0A, 50-60Hz; 1.6kW Out @200-240V, 10.0- 8.0A, 50-60Hz; 80PLUS TITANIUM
Thermal Dissipation	5092 BTU/hr maximum, 4607 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz

* number of cores per CPU socket


NX-3000 SERIES (cont.)

Per Node (1 per Block)			
Model	NX-3170-G6 (Configure to Order) 		
Server Compute*	Dual Intel Skylake: Gold 5120 [14 cores / 2.2 GHz], Gold 6128 [6 cores / 3.4 GHz], Gold 6144** [8 cores, 3.5GHz], Gold 6148 [20 cores / 2.4 GHz], Gold 6150 [18 cores, 2.7GHz], Gold 6152 [22 cores / 2.1 GHz], Gold 6154** [18 cores, 3.0GHz], Platinum 8176 [28 cores / 2.1 GHz], Platinum 8180** [28 cores, 2.5GHz]		
Storage Capacity	HYBRID	ALL FLASH †	All-Flash with NVMe
	2x SSD: [960 GB, 1.92 TB or 3.84 TB] + 6x HDD: [2 TB]	2x, 4x, 6x or 8x SSD: [960 GB, 1.92 TB or 3.84 TB]	2x NVMe: [1.6 TB] + 8x SSD: [1.92 TB or 3.84 TB]
	2x M.2 Boot [240 GB]		
Memory	192 GB, 256 GB, 384 GB, 512 GB, 768 GB, 1 TB, 1.5 TB		
Network Connections	LOM: 1x Dual-Port 10GBase-T, 1x 1GbE IPMI Add-on NIC: 2x Dual or Quad-Port 10GbE SFP+ or 2x Dual-Port 10GBase-T or 2x Dual-Port 25GbE SFP+		
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS		
GPU	1x M10, or 1x P40		

Per Block	
Dimensions	Height: 1.7" (43mm), Width: 17.02" (437mm), Depth: 28.5" (724mm) Rack Units: 1U
Weight	26 lbs. (11.8kg) stand-alone, 41 lbs. (18.6kg) package
System Cooling	8x 40x56mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-86°F (10°-30°C) Non-Op Temp Rng: -40°-158°F (-40°- 70°C) Op Humidity Rng (noncondensing): 20-90% Non-Op Humidity Rng: 5-95%
Power Consumption	1053W maximum, 700W typical
Power Supply (Dual Supply / Block)	1.2kW Out @200-240V, 9.8/7.5-6A, 50-60Hz; 80PLUS TITANIUM
Thermal Dissipation	3650 BTU/hr maximum, 2388 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz

* number of cores per CPU socket
** not available when configuration includes GPUs


NX-5000 SERIES

Per Node (1 per Block)			
Model	NX-5155-G6 (Configure to Order) 		
Server Compute*	Dual Intel Skylake: Silver 4108 [8 cores / 1.8 GHz]		
Storage Capacity	HYBRID	ALL FLASH ^f	All-Flash with NVMe
	2x SSD + 10x HDD or 4x SSD + 8x HDD; SSD: [960 GB, 1.92 TB or 3.84 TB] + HDD: [4 TB, 6 TB or 8 TB]	4x, 6x, 8x, 10x or 12x SSD: [960 GB, 1.92 TB or 3.84 TB]	4x NVMe: [1.6 TB] + 4x, 6x, 8x SSD: [1.92 TB or 3.84 TB]
	2x M.2 Boot [240 GB]		
Memory	192 GB & 256 GB		
Network Connections	SIOM: 2x 10GBase-T, 1x 1GbE RJ45 (IPMI) Add-on (up to): 3x Dual or Quad-Port 10GbE SFP+ or 3x Dual-Port 10GBase-T or 3x-Dual-Port 25GbE SFP28 or 3x Dual-Port 40GbE QSFP+		
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS		

Per Block	
Dimensions	Height: 3.54" (90mm), Width: 17.76" (451mm), Depth: 31.18" (792mm) Rack Units: 2U
Weight	56.75 lbs. (25.74kg) stand-alone, 92.31 lbs. (41.87kg) package
System Cooling	4x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C) Non-Op Temp Rng: -40°-158°F (-40°- 70°C) Op Humidity Rng (non-condensing): 20-90% Non-Op Humidity Rng (non-condensing): 5-95%
Power Consumption	1070W maximum, 700W typical
Power Supply (Dual Supply / Block)	1.6kW Output @100-240V, 13A-8A, 50-60Hz; 80PLUS TITANIUM
Thermal Dissipation	3650 BTU/hr maximum, 2388 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz

* number of cores per CPU socket


NX-8000 SERIES

	Per Node (2 per Block)		
Model	NX-8035-G6 (Configure to Order) 		
Server Compute*	Dual Intel Skylake: Bronze 3106 [8 cores / 1.7 GHz], Silver 4108 [8 cores / 1.8 GHz], Silver 4114 [10 cores / 2.2 GHz], Silver 4116 [12 cores / 2.1 GHz], Gold 5120 [14 cores / 2.2 GHz], Gold 6128 [6 cores / 3.4 GHz], Gold 6134 [8 cores / 3.2 GHz], Gold 6148 [20 cores / 2.4 GHz], Gold 6152 [22 cores / 2.1 GHz]		
Storage Capacity	HYBRID	ALL FLASH ^f	All-Flash with NVMe
	2x SSD: [960 GB, 1.92 TB or 3.84 TB]; 4x HDD: [6 TB, 8 TB or 10 TB]	2x, 4x, or 6x SSD: [960 GB, 1.92 TB or 3.84 TB]	2x NVMe: [1.6TB] + 4x SSD: [1.92 TB or 3.84 TB]
	2x M.2 Boot [240 GB]		
Memory	96 GB, 192 GB, 256 GB, 384 GB, 512 GB or 768 GB		
Network Connections	2x 10GBase-T, 1x 1GbE IPMI Add-on: Up to 2x Dual-Port 10GbE SFP+ or 2x Quad-Port 10GbE SFP or 2x Dual-Port 10GBase-T or 2x Dual-Port 40GbE QSFP+ or 2x Dual-Port 25GbE SFP28		
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS		

	Per Block
Dimensions	Height: 3.5" (89mm), Width: 19.06" (484mm), Depth: 31.54" (801mm) Rack Units: 2U
Weight	70.55 lbs. (32kg) stand-alone, 100.7 lbs. (45.67kg) package
System Cooling	4x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C) Non-Op Temp Rng: -40°-158°F (-40°- 70°C) Op Humidity Rng (non-condensing): 8-90% Non-Op Humidity Rng: 5-95%
Power Consumption	1302W maximum, 846W typical
Power Supply (Dual Supply / Block)	1.2kW Out @100-127V, 14-11A, 50-60Hz; 2.2kW Out @220-240V, 10-9.8A, 50-60Hz; 80PLUS (TITANIUM)
Thermal Dissipation	4443 BTU/hr maximum, 2888 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz

* number of cores per CPU socket


NX-8000 SERIES (cont.)

Per Node (1 per Block)										
Model	NX-8155-G6 (Configure to Order) 									
Server Compute*	Dual Intel Skylake: Silver 4108 [8 cores / 1.8 GHz], Silver 4114 [10 cores / 2.2 GHz], Gold 5120 [14 cores / 2.2 GHz], Gold 6128 [6 cores / 3.4 GHz], Gold 6148 [20 cores / 2.4 GHz], Gold 6152 [22 cores / 2.1 GHz], Gold 6154 [18 cores / 3 GHz], Platinum 8180 [28 cores / 2.5 GHz]									
Storage Capacity	<table border="1"> <thead> <tr> <th>HYBRID</th> <th>ALL FLASH †</th> <th>All-Flash with NVMe</th> </tr> </thead> <tbody> <tr> <td>2x SSD + 10x HDD or 4x SSD + 8x HDD; SSD: [960 GB, 1.92 TB or 3.84 TB] + HDD: [4 TB, 6 TB or 8 TB]</td> <td>4x, 6x, 8x or 12x SSD: [960 GB, 1.92 TB or 3.84 TB]</td> <td>4x NVMe: [1.6 TB] + 8x SSD: [1.92 TB or 3.84 TB]</td> </tr> <tr> <td colspan="3">2x M.2 Boot [240 GB]</td> </tr> </tbody> </table>	HYBRID	ALL FLASH †	All-Flash with NVMe	2x SSD + 10x HDD or 4x SSD + 8x HDD; SSD: [960 GB, 1.92 TB or 3.84 TB] + HDD: [4 TB, 6 TB or 8 TB]	4x, 6x, 8x or 12x SSD: [960 GB, 1.92 TB or 3.84 TB]	4x NVMe: [1.6 TB] + 8x SSD: [1.92 TB or 3.84 TB]	2x M.2 Boot [240 GB]		
	HYBRID	ALL FLASH †	All-Flash with NVMe							
2x SSD + 10x HDD or 4x SSD + 8x HDD; SSD: [960 GB, 1.92 TB or 3.84 TB] + HDD: [4 TB, 6 TB or 8 TB]	4x, 6x, 8x or 12x SSD: [960 GB, 1.92 TB or 3.84 TB]	4x NVMe: [1.6 TB] + 8x SSD: [1.92 TB or 3.84 TB]								
2x M.2 Boot [240 GB]										
Memory	192 GB, 256 GB, 384 GB, 512 GB, 768 GB, 1 TB, or 1.5 TB									
Network Connections	SIOM: 2x 10GBase-T, 1x 1GbE RJ45 (IPMI) Add-on (up to): 3x Dual or Quad-Port 10GbE SFP+ or 3x Dual-Port 10GBase-T or 3x-Dual-Port 25GbE SFP28 or 3x Dual-Port 40GbE QSFP+									
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS									

Per Block	
Dimensions	Height: 3.54" (90mm), Width: 17.76" (451mm), Depth: 31.18" (792mm) Rack Units: 2U
Weight	56.75 lbs. (25.74kg) stand-alone, 92.31 lbs. (41.87kg) package
System Cooling	4x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C) Non-Op Temp Rng: -40°-158°F (-40°- 70°C) Op Humidity Rng (non-condensing): 20-90% Non-Op Humidity Rng (non-condensing): 5-95%
Power Consumption	1070W maximum, 700W typical
Power Supply (Dual Supply / Block)	1.6kW Output @100-240V, 13A-8A, 50-60Hz; 80PLUS TITANIUM
Thermal Dissipation	3650 BTU/hr maximum, 2388 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz

* number of cores per CPU socket


NX-8000 SERIES (cont.)

	Per Node (1 per Block)	
Model	NX-8150-G5 (Configure to Order) 	
Server Compute*	Dual Intel Broadwell: E5-2667v4 [8 cores / 3.2 GHz], E5-2680v4 [14 cores / 2.4 GHz], E5-2695v4 [18 cores / 2.1 GHz], E5-2699v4 [22 cores / 2.2 GHz]	
Storage Capacity	HYBRID	ALL FLASH ^f
	4x SSD: [480 GB, 960 GB or 1.92 TB] 20x HDD: [1 TB or 2 TB]	24x SSD: [480 GB] 8x, 12x, 16x, 20x, or 24x SSD: [960 GB or 1.92 TB]
Memory	128 GB, 192 GB, 256 GB, 384 GB, 512 GB, 640 GB, 768 GB, 1 TB or 1.5 TB	
Network Connections	2x 10GBase-T SIOM, 1x 1GbE IPMI Add-on: 1x Dual-Port 10GbE SFP+ or 1x 10GBase-T or 1x Quad-Port 10GbE SFP+ or 1x Dual-Port 25GbE SFP+	
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS	

	Per Block
Dimensions	Height: 3.46" (88mm), Width: 19.56" (484mm), Depth: 30.08" (764mm) Rack Units: 2U
Weight	47.5 lbs. (21.5kg) stand-alone, 57.2 lbs. (25.9kg) package
System Cooling	4x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C) Non-Op Temp Rng: -40°-150°F (-40°- 70°C) Op Humidity Rng (non-condensing): 8-95% Non-Op Humidity Rng: 5-95%
Power Consumption	650W maximum, 400W typical
Power Supply (Dual Supply / Block)	0.8kW Out @100-120V, 9.8-7A, 50-60Hz; 1.0kW Out @200-240V, 7-5A, 50-60Hz; 80PLUS TITANIUM
Thermal Dissipation	2217 BTU/hr maximum, 1364 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz


* number of cores per CPU socket

PREVIOUS MODELS (cont.)

	Per Node (4 per Appliance)
Model	NX-1065S (Configure to Order) 
Server Compute	Single Intel Ivy Bridge: E5-2630v2 [6 cores / 2.6 GHz], E5-2680v2 [10 cores / 2.8 GHz]
Storage Capacity	HYBRID 1x SSD* [480 GB, 800 GB, 1.2 TB or 1.6 TB], 2x HDD* [2 TB, 4 TB or 6 TB]
Memory	64 GB, 128 GB, 192 GB, or 256 GB
Network Connections	2x 1GbE RJ45 and 1x 100 Mbps RJ45 (IPMI) Optional Add-on: Dual-Port 10 GbE or 2x 1GbE RJ45
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS

	Per Block
Dimensions	Height: 3.46" (88mm), Width: 17.36" (441mm), Depth: 30.04" (763mm)
Weight	66.45 lbs. (30.1kg) stand-alone, 90.15 lbs. (40.9kg) package, 5.25 lbs (2.4kg) node
System Cooling	4x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C) Non-Op Temp Rng: -40°-158°F (-40°- 70°C) Op Humidity Rng (non-condensing): 20-95% Non-Op Humidity Rng: 5-95%
Power Consumption	470W maximum, 350W typical
Power Supply (Dual Supply / Block)	1.1kW Out @100-120V, 12.7-10.5A, 50-60Hz; 2.0kW Out @200-240V, 10.0-9.8A, 50-60Hz
Thermal Dissipation	1604 BTU/hr maximum, 1194 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz


NX-1000 SERIES (cont.)

	Per Node (4 per Block)	
Model	NX-1065-G5 (Configure to Order) 	
Server Compute*	Dual Intel Broadwell: E5-2620v4 [8 cores / 2.1 GHz], E5-2640v4 [10 cores / 2.4 GHz]	
Storage Capacity	HYBRID	ALL FLASH †
	1x SSD: [480 GB, 960 GB or 1.92 TB] 2x HDD: [2 TB, 4 TB, 6 TB or 8 TB]	3x SSD: [480 GB, 960 GB, 1.92 TB or 3.84 TB]
Memory	64 GB, 96 GB, 128 GB, 192 GB, 256 GB, 384 GB, 512 GB or 1 TB	
Network Connections	LOM: 2x 1GbE, 1x 1GbE IPMI Add-on: 1x Dual-Port 10GbE SFP+ or 1x Quad-Port 10GbE SFP+ or 1x Dual-Port 10GBase-T or 1x Dual-Port 1GBase-T	
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS	

	Per Block
Dimensions	Height: 3.46" (88mm), Width: 18.98" (482mm), Depth: 33.27" (845mm) Rack Units: 2U
Weight	90 lbs. (40.8kg) stand-alone, 105 lbs. (47.6kg) package, 7 lbs (3.2kg) node
System Cooling	4x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C) Non-Op Temp Rng: -40°-158°F (-40°- 70°C) Op Humidity Rng (non-condensing): 20-95% Non-Op Humidity Rng: 5-95%
Power Consumption	1393W maximum, 907W typical
Power Supply (Dual Supply / Block)	1.1kW Out @100-120V, 12.7-10.5A, 50-60Hz; 2.0kW Out @200-240V, 10.0-9.8A, 50-60Hz; 80PLUS TITANIUM
Thermal Dissipation	4755 BTU/hr maximum, 3094 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz


* number of cores per CPU socket

PREVIOUS MODELS

	Per Node (4 per Block)	
Model	NX-1065S-G5 (Configure to Order) 	
Server Compute	Single Intel Broadwell: E5-2609v4 [8 cores / 1.7 GHz], E5-2620v4 [8 cores / 2.1 GHz], E5-2650v4 [12 cores / 2.2 GHz]	
Storage Capacity	HYBRID	ALL FLASH ^f
	1x SSD: [480 GB, 960 GB or 1.92 TB] 2x HDD: [2 TB, 4 TB, 6 TB or 8 TB]	3x SSD [480 GB, 960 GB, 1.92TB, 3.84 TB]
Memory	64 GB, 96 GB, 128 GB, 256 GB	
Network Connections	2x 1GbE, 1x 1GbE IPMI	
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS	

	Per Block
Dimensions	Height: 3.46" (88mm), Width: 18.98" (482mm), Depth: 33.27" (845mm)
Weight	66.45 lbs. (30.1kg) stand-alone, 90.15 lbs. (40.9kg) package, 5.25 lbs (2.4kg) node
System Cooling	4x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C) Non-Op Temp Rng: -40°-158°F (-40°- 70°C) Op Humidity Rng (non-condensing): 20-95% Non-Op Humidity Rng: 5-95%
Power Consumption	1160W maximum, 812W typical
Power Supply (Dual Supply / Block)	1.0kW Out @100-120V, 12.0-10.0A, 50-60Hz; 1.6kW Out @180-240V, 10.5-8.0A, 50-60Hz; 80PLUS TITANIUM
Thermal Dissipation	3958 BTU/hr maximum, 2770 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz


PREVIOUS MODELS (cont.)

	Per Node (1 per Block)	
Model	NX-1155-G5 (Configure to Order) 	
Server Compute*	Dual Intel Broadwell: E5-2620v4 [8 cores / 2.1 GHz]	
Storage Capacity	HYBRID	ALL FLASH †
	2x SSD: [960 GB] 4x, 6x, 8x, 10x HDD: [4 TB] or 8x, 10x HDD: [6 TB]	4x, 6x, 8x, 10x, or 12x SSD: [960 GB or 1.92 TB]
Memory	64GB RAM	
Network Connections	1x 1GbE IPMI, 1x Dual-Port 1GbE, 1x Dual-Port 1GbE LOM, Add-on: 1x Dual-Port 10Gb SFP+ or 1x Dual 10GBase-T or Quad-Port 10Gb SFP+	
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS	

	Per Block
Dimensions	Height: 3.46" (88mm), Width: 19.25" (489mm), Depth: 31.22" (793mm) Rack Units: 2U
Weight	56 lbs. (25.40kg) stand-alone, 73.10 lbs. (33.16kg) package
System Cooling	4x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C); Non-Op Temp Rng: -40°-140°F (-40°- 60°C); Op Humidity Rng (non-condensing): 8-95%; Non-Op Humidity Rng: 5-95%
Power Consumption	659W maximum power, 625W typical
Power Supply (Dual Supply / Block)	0.8kW Out @100-127V, 9.8-7.0A, 50-60Hz; 1.0kW Out @200-240V, 7.0-5.0A, 50-60Hz; 80PLUS TITANIUM
Thermal Dissipation	2248.6 BTU/hr maximum, 2132.6 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz


* number of cores per CPU socket

PREVIOUS MODELS (cont.)

	Per Node (4 per Appliance)	
Model	NX-3060-G5 (Configure to Order) 	
Server Compute	Dual Intel Broadwell: E5-2620v4 [16 cores / 2.1 GHz], E5-2640v4 [20 cores / 2.4 GHz], E5-2650v4 [24 cores / 2.2 GHz], E5-2680v4 [28 cores / 2.4 GHz], E5-2695v4 [36 cores / 2.1 GHz]	
Storage Capacity	HYBRID	ALL FLASH ^f
	2x SSD: [480 GB, 960 GB, 1.92 TB or 3.84 TB] 4x HDD: [1 TB or 2 TB]	6x SSD: [480 GB, 960 GB, 1.92 TB or 3.84 TB]
Memory	128 GB, 192 GB, 256 GB, 384 GB, 512 GB or 1 TB	
Network Connections	2x 1 GbE, 1x 1 GbE RJ45 (IPMI) Add-on: Dual-Port 10 GbE or Quad-Port 10 GbE or Dual-Port 10 GBASE-T or Dual-Port 40GbE QSFP+	
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS	
GPU	Not Applicable	

	Per Block
Dimensions	Height: 3.46" (88mm), Width: 18.98" (482mm), Depth: 31.50" (800mm): Rack Units: 2U
Weight	90 lbs. (40.8kg) stand-alone, 105 lbs. (47.6kg) package, 7 lbs (3.2kg) node
System Cooling	4x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C) Non-Op Temp Rng: -40°-158°F (-40°- 70°C) Op Humidity Rng (non-condensing): 20-95% Non-Op Humidity Rng: 5-95%
Power Consumption	1764W maximum, 1150W typical
Power Supply (Dual Supply / Block)	1.1kW Out @100-120V, 12.7-10.5A, 50-60Hz; 2.0kW Out @200-240V, 10.0-9.8A, 50-60Hz; 80PLUS TITANIUM
Thermal Dissipation	6019 BTU/hr maximum, 2924 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz


PREVIOUS MODELS (cont.)

	Per Node (1 per Block)	
Model	NX-3175-G5 (Configure to Order) 	
Server Compute*	Dual Intel Broadwell: E5-2650v4 [12 cores / 2.2 GHz], E5-2667v4 [8 cores / 3.2 GHz], E5-2680v4 [14 cores / 2.4 GHz], E5-2695v4 [18 cores / 2.1 GHz], E5-2699v4 [22 cores / 2.2 GHz]	
Storage Capacity	HYBRID	ALL FLASH ^f
	2x SSD: [480 GB, 960 GB or 1.92 TB] 2x HDD: [2 TB, 4 TB, 6 TB or 8 TB]	4x SSD: [480 GB] 2x or 4x SSD: [960 GB, 1.92 TB or 3.84 TB]
Memory	128 GB, 192 GB, 256 GB, 384 GB, 512 GB, 640 GB, 768 GB, 1 TB, 1.5 TB	
Network Connections	2x 10GbE, 1x 1GbE IPMI Add-on: 1x Dual-Port 10GbE, 1x Quad-Port 10GbE or 1x Dual-Port 10GBase-T	
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS	
GPU	1x M10, 1x M60 or 1x P40	

	Per Block
Dimensions	Height: 1.7" (43mm), Width: 19.09" (485mm), Depth: 30.79" (782mm) Rack Units: 1U
Weight	33 lbs. (14.9kg) stand-alone, 46.7 lbs. (21.2kg) package
System Cooling	8x 40x56mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C) Non-Op Temp Rng: -40°-140°F (-40°- 60°C) Op Humidity Rng (non-condensing): 8-90% Non-Op Humidity Rng: 5-95%
Power Consumption	873W maximum, 567W typical
Power Supply (Dual Supply / Block)	0.8kW Out @100-127V, 9.8-7.0A, 50-60Hz; 1.0kW Out @200-240V, 7.0- 5.0A, 50-60Hz; 80PLUS TITANIUM
Thermal Dissipation	2979 BTU/hr maximum, 1936 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz

* number of cores per CPU socket


PREVIOUS MODELS (cont.)

	Per Node (2 per Block)
Model	NX-6035-G5 (Configure to Order) 
Server Compute*	Dual Intel Broadwell: E5-2620v4 [8 cores / 2.1 GHz], E5-2640v4 [10 cores / 2.4 GHz]
	HYBRID
Storage Capacity	1x SSD: [960 GB or 1.92 TB] 5x HDD: [4 TB, 6 TB or 8 TB]
Memory	64 GB, 128 GB, 192 GB, 256 GB, 384 GB, 512 GB or 1 TB
Network Connections	2x 1GbE, 1x 1GbE IPMI Add-on: Up to 2x Dual-Port 10GbE or 2x Quad-Port 10GbE or 2x Dual-Port 10GBase-T or 2x Dual-Port 40GbE QSFP+
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS

	Per Block
Dimensions	Height: 3.46" (88mm), Width: 19.56 (484mm), Depth: 33.39" (848mm) Rack Units: 2U
Weight	79 lbs. (35.83kg) stand-alone, 94 lbs. (42.63kg) package, 7.7 lbs (3.5kg) node
System Cooling	4x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C) Non-Op Temp Rng: -40°-158°F (-40°- 70°C) Op Humidity Rng (non-condensing): 20-90% Non-Op Humidity Rng: 5-95%
Power Consumption	832W maximum, 546W typical
Power Supply (Dual Supply / Block)	0.8kW Out @100-140V, 10-7A, 50-60Hz; 1.6kW Out @180-240V, 11-8A, 50-60Hz; 80PLUS TITANIUM
Thermal Dissipation	2839 BTU/hr maximum, 1863 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz

* number of cores per CPU socket


PREVIOUS MODELS (cont.)

	Per Node (2 per Block)	
Model	NX-6035C-G5 (Configure to Order) 	
Server Compute*	Dual Intel Broadwell: E5-2609v4 [8 cores / 1.7 GHz], E5-2620v4 [8 cores / 2.1 GHz]	
	HYBRID	ALL FLASH [†]
Storage Capacity	1x SSD: [960 GB or 1.92 TB] 5x HDD: [4 TB, 6 TB or 8 TB]	2x, 4x, or 6x SSD: [960 GB, 1.92 TB or 3.84 TB]
Memory	64 GB, 128 GB, 192 GB, 256 GB	
Network Connections	2x 1GbE, 1x 1GbE IPMI Add-on: Up to 2x Dual-Port 10GbE or 2x Quad-Port 10GbE or 2x Dual-Port 10GBase-T	
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS	

	Per Block
Dimensions	Height: 3.46" (88mm), Width: 19.56 (484mm), Depth: 33.39" (848mm) Rack Units: 2U
Weight	79 lbs. (35.83kg) stand-alone, 94 lbs. (42.63kg) package, 7.7 lbs (3.5kg) node
System Cooling	4x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C) Non-Op Temp Rng: -40°-158°F (-40°- 70°C) Op Humidity Rng (non-condensing): 20-90% Non-Op Humidity Rng: 5-95%
Power Consumption	812W maximum, 528W typical
Power Supply (Dual Supply / Block)	0.8kW Out @100-140V, 10-7A, 50-60Hz; 1.6kW Out @180-240V, 11-8A, 50-60Hz; 80PLUS TITANIUM
Thermal Dissipation	2771 BTU/hr maximum, 1802 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz

* number of cores per CPU socket


PREVIOUS MODELS (cont.)

	Per Node (1 per Block)	
Model	NX-6155-G5 (Configure to Order) 	
Server Compute*	Dual Intel Broadwell: E5-2620v4 [8 cores / 2.1 GHz], E5-2640v4 [10 cores / 2.4 GHz], E5-2650v4 [12 cores / 2.2 GHz], E5-2680v4 [14 cores / 2.4 GHz], E5-2695v4 [18 cores / 2.1 GHz]	
	HYBRID	ALL FLASH ^f
Storage Capacity	2x SSD: [960 GB, 1.92 TB or 3.84 TB] 10x HDD: [4 TB or 6 TB]	4x, 6x, 8x, 10x, or 12x SSD: [960 GB, 1.92 TB or 3.84 TB]
Memory	64 GB, 128 GB, 192 GB, 256 GB, 384 GB, 512 GB, 640 GB, 768 GB, 1 TB or 1.5 TB	
Network Connections	4x 1GbE, 1x 1GbE IPMI Add-on: Up to 3x Dual-Port 10GbE SFP+ or 3x Quad-Port 10GbE SFP+ or 3x Dual-Port 10GBase-T or 3x Dual-Port 40GbE QSFP+	
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS	

	Per Block
Dimensions	Height: 3.46" (88mm), Width: 19.25" (489mm), Depth: 31.22" (793mm) Rack Units: 2U
Weight	56 lbs. (25.4kg) stand-alone, 65.1 lbs. (29.53kg) package
System Cooling	4x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C) Non-Op Temp Rng: -40°-158°F (-40°- 70°C) Op Humidity Rng (non-condensing): 8-95% Non-Op Humidity Rng: 5-95%
Power Consumption	659W maximum, 625W typical
Power Supply (Dual Supply / Block)	0.8kW Out @100-104V, 9.8-7.0A, 50-60Hz; 1.0kW Out @180-240V, 7.0-5.0A, 50-60Hz; 80PLUS TITANIUM
Thermal Dissipation	2249 BTU/hr maximum, 2133 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz

* number of cores per CPU socket

PREVIOUS MODELS (cont.)

	Per Node (2 per Appliance)	
Model	NX-8035-G5 (Configure to Order) 	
Server Compute	Dual Intel Broadwell: E5-2640v4 [20 cores / 2.4 GHz], E5-2643v4 [12 cores / 3.4 GHz], E5-2650v4 [24 cores / 2.2 GHz], E5-2680v4 [28 cores / 2.4 GHz], E5-2695v4 [36 cores / 2.1 GHz]	
Storage Capacity	HYBRID	ALL FLASH ^f
	2x SSD: [480 GB, 960 GB, 1.92 TB or 3.84 TB] 4x HDD: [4 TB, 6 TB or 8 TB]	6x SSD: [480 GB] 2x, 4x, or 6x SSD: [960 GB, 1.2 TB or 3.84 TB]
Memory	128 GB, 192 GB, 256 GB, 384 GB, 512 GB or 1 TB	
Network Connections	2x 1 GbE, 1x 1 GbE RJ45 (IPMI) Add-on: Up to 2x Dual-Port 10 GbE or 2x Quad-Port 10 GbE or 2x Dual-Port 10GBASE-T or 2x Dual-Port 40GbE QSFP+	
Certifications	CSAus, FCC, CSA, ICES, CE, KCC, RCM, VCCI-A, BSMI, EAC, SABS, INMETRO, S-MARK, UKRSEPRO, BIS	

	Per Block
Dimensions	Height: 3.46" (88mm), Width: 19.56" (484mm), Depth: 33.39" (848mm) Rack Units: 2U
Weight	79 lbs. (35.83kg) stand-alone, 94 lbs. (42.63kg) package, 7.7 lbs (3.5kg) node
System Cooling	4x80mm heavy duty fans with PWM fan speed controls
Operating Environment	Op Temp Rng: 50°-95°F (10°-35°C) Non-Op Temp Rng: -40°-158°F (-40°- 70°C) Op Humidity Rng (non-condensing): 20-90% Non-Op Humidity Rng: 5-95%
Power Consumption	949W maximum, 622W typical
Power Supply (Dual Supply / Block)	0.8kW Out @100-140V, 10-7A, 50-60Hz; 1.6kW Out @180-240V, 11-8A, 50-60Hz; 80PLUS TITANIUM
Thermal Dissipation	3238 BTU/hr maximum, 2123 BTU/hr typical
Operating Requirements	Input Voltage: 100-240V AC auto-range, Input Frequency: 50-60Hz