Tel: +44 (0)1279 408 777
Email: sales@gocomsys.com
Website: www.gocomsys.com

Refurbished CISCO N6004-SBUN-P1-L Datasheet

CISCO > SWITCHES

Cisco Nexus 6000 Series Switches

Cisco Nexus 6004EF Transceiver Support Matrix	
Cisco Optics	
QSFP-40G-SR4	40GBASE-SR4 QSFP module (multimode fiber [MMF] at 100m)
QSFP-40G-CSR4	40GBASE Extended CSR4 QSFP module (MMF at 300m)
QSFP-40G-LR4	Cisco 40GBASE-LR4 QSFP+ transceiver module for single-mode fiber (SMF) duplex LC connector
QSFP-40G-LR4	Cisco 40GBASE-LR4 QSFP+ transceiver module for single-mode fiber (SMF) duplex LC connector
QSFP-40GE-LR4	Cisco 40GBASE-LR4 Transceiver Module, LC, 10km
WSP-Q40GLR4L	Cisco 40GBASE-LR4L QSFP Module for SMF, 2km
QSFP-40G-SR-BD	Cisco QSFP40G BiDi short-reach (SR) transceiver
QSFP-4x10G-AC7M	Cisco 40GBASE-CR4 QSFP+ to 4 10GBASE-CU SFP+ direct-attach breakout cable, 7m, active
QSFP-4x10G-AC10M	Cisco 40GBASE-CR4 QSFP+ to 4 10GBASE-CU SFP+ direct-attach breakout cable, 10m, active
QSFP-H40G-CU1M	Cisco 40GBASE-CR4 QSFP+ direct-attach copper cable, 1m, passive
QSFP-H40G-CU3M	Cisco 40GBASE-CR4 QSFP+ direct-attach copper cable, 3m, passive
QSFP-H40G-CU5M	Cisco 40GBASE-CR4 QSFP+ direct-attach copper cable, 5m, passive
QSFP-H40G-ACU7M	Cisco 40GBASE-CR4 QSFP+ direct-attach copper cable, 7m, active
QSFP-H40G-ACU10M	Cisco 40GBASE-CR4 QSFP+ direct-attach copper cable, 10m, active
QSFP-4SFP10G-CU1M	Cisco 40GBASE-CR4 QSFP+ to 4 10GBASE-CU SFP+ passive direct-attach copper transceiver assembly, 1m
QSFP-4SFP10G-CU3M	Cisco 40GBASE-CR4 QSFP+ to 4 10GBASE-CU SFP+ passive direct-attach copper transceiver assembly, 3m
QSFP-4SFP10G-CU5M	Cisco 40GBASE-CR4 QSFP+ to 4 10GBASE-CU SFP+ passive direct-attach copper transceiver assembly, 5m
QSFP-4X10G-AOC1M	Cisco 40GBASE-AOC QSFP to 4 SFP+ active optical breakout cable, 1m
QSFP-4X10G-AOC2M	Cisco 40GBASE-AOC QSFP to 4 SFP+ active optical breakout cable, 2m
QSFP-4X10G-AOC3M	Cisco 40GBASE-AOC QSFP to 4 SFP+ active optical breakout cable, 3m
QSFP-4X10G-AOC5M	Cisco 40GBASE-AOC QSFP to 4 SFP+ active optical breakout cable, 5m
QSFP-4X10G-AOC7M	Cisco 40GBASE-AOC QSFP to 4 SFP+ active optical breakout cable, 7m
QSFP-4X10G-AOC10M	Cisco 40GBASE-AOC QSFP to 4 SFP+ active optical breakout cable, 10m
QSFP-H40G-AOC1M	Cisco 40GBASE-AOC QSFP direct-attach active optical cable, 1m
QSFP-H40G-AOC2M	Cisco 40GBASE-AOC QSFP direct-attach active optical cable, 2m
QSFP-H40G-AOC3M	Cisco 40GBASE-AOC QSFP direct-attach active optical cable, 3m
QSFP-H40G-AOC5M	Cisco 40GBASE-AOC QSFP direct-attach active optical cable, 5m
QSFP-H40G-AOC7M	Cisco 40GBASE-AOC QSFP direct-attach active optical cable, 7m
QSFP-H40G-AOC10M	Cisco 40GBASE-AOC QSFP direct-attach active optical cable, 10m
CVR-QSFP-SFP10G	Cisco 40GBASE QSFP to SFP+ and SFP adapter (QSA) for 1G (GLC-T, SX/LH), 10G-LR/10G-ZR,

	10G- ER/10G-SR and 10G DWDM connectivity
FET-40G	40-GB line extender for fabric extender (FEX)
FET-10G	10-GB line extender for FEX (with breakout cable)
CXP-100G-SR12	100GBASE-SR10 (No Breakout)
SFP-10G-SR	Cisco 10GBASE-SR SFP+ module for MMF
SFP-10G-LR	Cisco 10GBASE-LR SFP+ module for SMF
SFP-10G-ER	Cisco 10GBASE-ER SFP+ module for SMF
SFP-H10GB-CU1M	10GBASE-CU SFP+ cable, 1m, passive
SFP-H10GB-CU1.5M	10GBASE-CU SFP+ cable, 1.5m, passive
SFP-H10GB-CU2M	10GBASE-CU SFP+ cable, 2m, passive
SFP-H10GB-CU2.5M	10GBASE-CU SFP+ cable 2.5m, passive
SFP-H10GB-CU3M	10GBASE-CU SFP+ cable, 3m, passive
SFP-H10GB-CU5M	10GBASE-CU SFP+ cable, 5m, passive
SFP-H10GB-ACU7M	10GBASE-CU SFP+ cable, 7m, active
SFP-H10GB-ACU10M	10GBASE-CU SFP+ cable, 10m, active
SFP-10G-AOC1M	10GBASE-AOC SFP+ cable, 1m
SFP-10G-AOC2M	10GBASE-AOC SFP+ cable, 2m
SFP-10G-AOC3M	10GBASE-AOC SFP+ cable, 3m
SFP-10G-AOC5M	10GBASE-AOC SFP+ cable, 5m
SFP-10G-AOC7M	10GBASE-AOC SFP+ cable, 7m
SFP-10G-AOC10M	10GBASE-AOC SFP+ cable, 10m
GLC-T	1000BASE-T standard
GLC-SX-MMD	1000BASE-SX short wavelength; with DOM
GLC-EX-SMD	1000BASE-EX long-wavelength; with DOM
GLC-LH-SMD	1000BASE-LX/LH long-wavelength; with DOM
SFP-GE-T	1000BASE-T NEBS 3 ESD
DS-SFP-FC4G-SW(=)	4-Gbps Fibre Channel, SW SFP, LC
DS-SFP-FC4G-LW(=)	4-Gbps Fibre Channel, LW SFP, LC
DS-SFP-FC8G-SW(=)	8-Gbps Fibre Channel, SW SFP+, LC
DS-SFP-FC8G-LW(=)	8-Gbps Fibre Channel, LW SFP+, LC
10G DWDM SFP+	10GBase SFP+ DWDM

Cisco Nexus 2000 Series Fabric Extenders Supported with Cisco Nexus 6004EF

Description

Description	Specification
Cisco Nexus 2332TQ	32 1G/10G BASE-T Port host interfaces (SFP+) and up to 4 QSFP+ 10/40 Gigabit Ethernet fabric interfaces, FCoE support up to 30m with Category 6a/7 cables
Cisco Nexus 2348TQ	48 1G/10G BASE-T Port host interfaces (SFP+) and up to 6 QSFP+ 10/40 Gigabit Ethernet fabric interfaces, FCoE support up to 30m with Category 6a/7 cables
Cisco Nexus 2348UPQ	Forty-eight 1 and 10 Gigabit Ethernet and Unified Port host interfaces (SFP+) and up to six QSFP+ 10/40 Gigabit Ethernet fabric interfaces Unified Ports are not supported on 6004EF
Cisco Nexus 2248PQ	Forty-eight 1 and 10 Gigabit Ethernet SFP+ host interfaces and four 40 Gigabit Ethernet (sixteen 10 Gigabit Ethernet SFP+) network interfaces

Cisco Nexus 2224TP	Twenty-four 100/1000BASE-T host interfaces and two 10 Gigabit Ethernet fabric interfaces (SFP+)
Cisco Nexus 2248TP	Forty-eight 100/1000BASE-T host interfaces and four 10 Gigabit Ethernet fabric interfaces (SFP+)
Cisco Nexus 2248TP-E	Forty-eight 100/1000BASE-T host interfaces and four 10 Gigabit Ethernet fabric interfaces (SFP+) (32-MB shared buffer)
Cisco Nexus 2232PP	Thirty-two 1 and 10 Gigabit Ethernet and FCoE host interfaces (SFP+) and eight 10 Gigabit Ethernet and FCoE fabric interfaces (SFP+)
Cisco Nexus 2232TM	Thirty-two 1 and 10 Gigabit Ethernet BASE-T host interfaces and eight 10 Gigabit Ethernet (SFP+) uplink modules
Cisco Nexus 2232TM-E	Thirty-two 1 and 10 Gigabit Ethernet BASE-T host interfaces and eight 10 Gigabit Ethernet (SFP+) uplink modules (for lower power consumption and improved bit error rate [BER])
Cisco Nexus B22HP	Sixteen 1 and 10 Gigabit Ethernet BASE-KR internal host interfaces and eight 10 Gigabit Ethernet fabric (SFP+) network interfaces
Cisco Nexus B22F	Sixteen 10 Gigabit Ethernet BASE-KR internal host interfaces and eight 10 Gigabit Ethernet fabric (SFP+) network interfaces
Cisco Nexus B22DELL	Sixteen 1 and 10 Gigabit Ethernet BASE-KR internal host interfaces and eight 10 Gigabit Ethernet fabric (SFP+) network interfaces
Cisco Nexus B22IBM	Fourteen 1 and 10 Gigabit Ethernet BASE-KR internal host interfaces and eight 10 Gigabit Ethernet fabric (SFP+) network interfaces

Power Supply Properties

AC Power Supply Properties	Cisco Nexus 6004EF
Typical operating power	2800W
Maximum power	3300W
Input voltage	94 to 240 VAC
Frequency	47 to 63 Hz
Efficiency	98% (50 to 100% load)
RoHS compliance	Yes
Hot-swappable	Yes
Heat dissipation	11260 BTU/hr (3300W)
Front-to-back air flow power supply (port-side exhaust airflow)	Yes
Back-to-front air flow power supply (port-side intake airflow)	Yes

Environmental Properties

Property	Cisco Nexus 6004EF
Physical (H x W x D)	6.97 x 17.3 x 30 in. (17.7 x 43.9 x 76.2 cm)
Operating temperature	32 to 104°F (0 to 40°C)
Nonoperating (storage) temperature	-40 to 158°F (-40 to 70°C)
Humidity	5 to 95% (noncondensing)
Altitude	0 to 10,000 ft (0 to 3000m)

Weight

Component	Weight
Cisco Nexus 6004 with three 1100W power supplies, two expansion modules, and four fan modules	111 lb (50.3 kg)

Cisco Nexus 6004 with three 1100W power supplies and four fan modules	100 lb (45.3 kg)

Regulatory Standards Compliance: Safety and EMC

Regulatory compliance	Products should comply with CE Markings according to directives 2004/108/EC and 2006/95/EC.
Safety	UL 60950-1 Second Edition CAN/CSA-C22.2 No. 60950-1 Second Edition EN 60950-1 Second Edition IEC 60950-1 Second Edition AS/NZS 60950-1 GB4943
EMC: Emissions	47CFR Part 15 (CFR 47) Class A AS/NZS CISPR22 Class A CISPR22 Class A EN55022 Class A ICES003 Class A VCCI Class A EN61000-3-2 EN61000-3-3 KN22 Class A CNS13438 Class A
EMC: Immunity	EN55024 CISPR24 EN300386 KN 61000-4 series
RoHS	The product is compliant with RoHS 6 with exceptions for leaded ball grid array (BGA) balls and lead press-fit connectors.

The next steps...

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Tel: +44 (0)1279 408 777

Email: sales@gocomsys.com

Website: www.gocomsys.com