

Supported ROADMs, Add/Drop Cards, and Modules

• Supported ROADMs, Add/Drop Cards, and Modules, on page 1

Supported ROADMs, Add/Drop Cards, and Modules

Cisco ONP supports the following ROADM, Add/Drop cards and modules:

Table 1: NCS 2000 ROADM Cards

Product	Product Description
NCS2K-9-SMR34FS=	9-port Single Module ROADM - 20—34-dB Gain - Flex Spectrum
NCS2K-9-SMR24FS=	9-port Single Module ROADM - 12—24-dB Gain - Flex Spectrum
NCS2K-9-SMR17FS=	9-port Single Module ROADM - 0—17-dB Gain - Flex Spectrum
NCS2K-20-SMRFS=	20-port Single Module ROADM - Switchable Gain Flex Spectrum
NCS2K-20-SMRFS-CV=	20-port SMR - Switch. Gain Flex Spectrum with Connection Verification

Table 2: NCS 2000 ADD/DROP Line Cards and Optical Passive Modules

Product	Product Description
NCS2K-16-AD-CCOFS=	4- to 12-degree 16-port Contentionless Add/Drop Unit
NCS2K-MF-6AD-CFS=	6-port Colorless Flex Spectrum Add/Drop MF Unit
NCS2K-MF-MPO-16LC=	MPO-16 to 16xLC Fan-Out MF Unit with Integrated Monitoring
NCS2K-MF-M16LC-CV=	MPO-16 to 16xLC Fan-Out with Connection Verification
15216-MD-48-ODD=	ONS 15216 48-channel Mux/DeMux Exposed Faceplate Patch Panel Odd
15216-MD-48-EVEN=	ONS 15216 48-channel Mux/DeMux Exposed Faceplate Patch Panel Even

Supported ROADMs, Add/Drop Cards, and Modules

Product	Product Description
15216-MD-48-CM=	ONS 15216 Mux/Demux Plugin Coupler/De-Interleaver Module
NCS1K-MD-64-C=	NCS 1000 64-channel Odd Mux/Demux Patch Panel—C-band

Table 3: NCS 2000 Controller Cards and Common Equipment

Product	Product Description
NCS2006-DC=	NCS 2006 30A DC Power Filter
NCS2006-AC=	NCS 2006 1500W AC Power Supply
NCS2015-SA-DC=	NCS 2015 Shelf Assembly - DC Power
NCS2015-SA-AC=	NCS 2015 Shelf Assembly - AC Power
NCS2K-TNCS-2-K9=	NCS 2000 Transport Node Controller, version 2
NCS2K-TNCS-2O-K9=	NCS2000 Transport Node Controller with 2x OTDR/OSC, version 2
NCS2K-TNCS-K9=	Transport Node Controller for NCS2002, 2006, and 2015 chassis
NCS2K-TNCS-O-K9=	NCS 2000 Transport Node Controller with 2x OTDR/OSC
NCS2K-SVO-K9=	Shelf Virtualization Orchestrator - LC, Full
NCS2K-PSM=	Protection Switching Module (PSM) card for NCS 2000

Table 4: NCS 2000 Series Passive Optical Modules

Product	Product Description
NCS2K-MF-6RU=	6RU Mechanical Frame for Passive Units—14 slots with USB Hub
NCS2K-MF10-6RU=	6RU Mechanical Frame for Passive Units—10 slots with USB Hub
NCS2K-MF-1RU=	1RU Mechanical Frame—4 slots
NCS2K-MF-UPG-4=	4-degree Upgrade Mesh Interconnection MF Unit
NCS2K-MF-UPG-4-CV=	4-degree Upgrade Mesh Interconnect with Connection Verification
NCS2K-MF-DEG-5=	Up to 5-degree Mesh Interconnection MF Unit
NCS2K-MF-DEG-5-CV=	5-degree Mesh Interconnect with Connection Verification
NCS2K-PPMESH8-5AD=	2RU 8-degree Mesh Patch Panel—5-Add/Drop Port + Monitoring

Table 5: NCS 4000 Chassis and NCS 1004 Line Cards

Product	Product Description
NCS4016-SA-DC=	NCS 4016 shelf assembly - DC Power

Supported ROADMs, Add/Drop Cards, and Modules

Product	Product Description
NCS4016-SA-AC=	NCS 4016 shelf assembly - AC Power
NCS4009-SA-DC=	NCS 4009 shelf assembly - DC Power
NCS4K-4H-OPW-QC2=	NCS 4000 400G Packet/OTN/WDM—QSFP28/CFP2 line card
NCS4K-24LR-O-S=	NCS 4000 24-port low rate OTN—SFP line card
NCS1004=	Network Convergence System 1004 four line card slots

Table 6: NCS 1010 Line Cards, Chassis, and PSUs

Product	Product Description
NCS1K-OLT-C=	NCS 1010 Optical Line Terminal—C-band
NCS1K-OLT-L=	NCS 1010 Optical Line Terminal—L-band
NCS1K-OLT-R-C=	NCS 1010 Optical Line Terminal with Raman—C-band
NCS1K-ILA-C=	NCS 1010 In-Line Amplifier—C-band
NCS1K-ILA-L=	NCS 1010 In-Line Amplifier—L-band
NCS1K-ILA-2R-C=	NCS 1010 In-Line Amplifier with 2x Raman—C-band
NCS1K-ILA-R-C=	NCS 1010 In-Line Amplifier with 1x Raman—C-band
NCS1010-SA=	NCS 1010 Shelf Assembly
NCS1010-DC-PSU=	NCS 1010 DC Power Supply Unit
NCS1010-AC-PSU=	NCS 1010 AC Power Supply Unit
NCS1K-E-OLT-C=	NCS 1010 Optical Line Terminal—C-band, enhanced
NCS1K-E-OLT-R-C=	NCS 1010 Optical Line Terminal with Raman—C-band, enhanced
NCS1K-E-OLT-L=	NCS 1010 Optical Line Terminal—L-band, enhanced
NCS1K-E-ILA-R-C=	NCS 1010 In-Line Amplifier with 1x Raman—C-band, enhanced
NCS1K-E-ILA-2R-C=	NCS 1010 In-Line Amplifier with 2x Raman—C-band, enhanced
NCS1K-E-ILA-R-C-2=	NCS 1010 In-Line Amplifier with 1x Raman west facing—C-band, enhanced
NCS1K14-2.4T-K9=	NCS 1014 2.4T Line Card

Table 7: NCS 1014 Line Cards, Chassis, and PSUs

Product	Product Description
NCS1K14-SYS	NCS 1014 Assemble to Order

Supported ROADMs, Add/Drop Cards, and Modules

Product	Product Description
NCS1K14-EDFA2=	NCS 1014 EDFA terminal with equalization
NCS1K4-AC-PSU	NCS 1004 AC Power Supply Unit, 2.1 kW
NCS1K4-DC-PSU	NCS 1004 DC Power Supply Unit, 2.1 kW
NCS1K4-AC-PSU-2	NCS 1004 AC Power Supply Unit, 2.5 kW
NCS1K4-DC-PSU-2	NCS 1004 DC Power Supply Unit, 2.5 kW

Table 8: NCS 1014 Passive Modules

Product	Product Description
NCS1K-MD-32O-CE=	NCS 1000 32chs Odd Mux/Demux Patch Panel - 150GHz—C-band Enhanced
NCS1K-MD-32E-CE=	NCS 1000 32chs Even Mux/Demux Patch Panel - 150GHz—C-band Enhanced

Table 9: NCS 1010 Passive Modules

Product	Product Description
NCS1K-BRK-SA=	NCS 1000 shelf for four passive modules
NCS1K-BRK-8=	NCS 1000 MTP/MPO to 8-port passive breakout module
NCS1K-BRK-24=	NCS 1000 MTP/MPO to 24-port colorless channels passive breakout module
NCS1K-BRK-16=	NCS 1000 MTP/MPO to 16-port colorless channels passive breakout module
NCS1K-MD-32O-C=	NCS 1000 32-channel Odd Mux/Demux Patch Panel - 150GHz—C-band
NCS1K-MD-32E-C=	NCS 1000 32-channel Even Mux/Demux Patch Panel - 150GHz—C-band
NCS1K14-CCMD-16-C	NCS 1000 16-port Colorless Mux/Demux Optical Line Card—C-band
NCS1K14-CCMD-16-L	NCS 1000 16-port Colorless Mux/Demux Optical Line Card—L-band

Table 10: NCS 1020 Chassis and Modules

Product	Product Description
NCS1020-SA=	NCS 1020 Shelf Assembly
NCS1010-CTR2-K9=	NCS 1010, 1012, 1020 Controller, 112500-bps Default Console Baud Rate
NCS1010-CTR2-B-K9=	NCS 1010, 1012, 1020 Controller, 9600-bps Console Baud Rate

Supported ROADMs, Add/Drop Cards, and Modules

Product	Product Description
NCS1020-FAN=	NCS 1020 Fan for NCS 1014 Slots
NCS1020-FAN-BLANK=	NCS 1020 Fan Blank
NCS1010-FLR-P=	Filler / Blank for NCS 1010 Slot on NCS 1012, 1020, Passive
NCS1010-FLR-A=	Filler / Blank for NCS 1010 Slot on NCS 1012, 1020, Active, with Fan slots
NCS1010-CTR2-FLR=	Filler / Blank for Controller Slot on NCS 1012, 1020
NCS1K14-BLANK=	Network Convergence System 1014 Blank card

Table 11: NCS 1001 Chassis, Modules, and Pluggables

Product	Product Description
NCS1001-K9=	Network Convergence System 1001 line system 3 slots
NCS1K-CNTLR2=	Network Convergence System 1001 Control card
NCS1K-EDFA=	Network Convergence System 1001 amplifier module
NCS1K-PSM=	Network Convergence System 1001 protection module
NCS1K-2KW-AC2=	Network Convergence System 1001 AC power supply unit - 2KW normal operating temperature, 600W short term high temperature
NCS1K-2KW-DC=	Network Convergence System 1001 DC power supply unit - 2KW normal operating temperature, 600W short term high temperature
NCS1K1-FAN=	Network Convergence System 1001 line system Fan
ONS-SC-Z3-1510=	SFP OC-48/STM-16/GE, CWDM, 1510 nm
ONS-SE-155-1510	SFP OC-3/STM-1, CWDM, 1510 nm EXT; SFP Pluggable Optics Module
CWDM-SFP-1510	CWDM 1510-nm SFP; Gigabit Ethernet 1 and 2 Gb Fibre Channel
CWDM-SFP-1610	CWDM 1610-nm SFP; Gigabit Ethernet 1 and 2 Gb Fibre Channel
ONS-SC-Z3-1610=	SFP OC-48/STM-16/GE, CWDM, 1610 nm

Product	Product Description
15216-MD-48-ODDE	ONS Multiplexer/Demultiplexer Patch Panel Even Extended
15216-MD-48-EVENE	ONS Multiplexer/Demultiplexer Patch Panel Odd Extended
15216-MD-48-CME	ONS Coupler and Splitter
15216-FLD-OSC	OSC Combiner and Splitter
NCS1K-MD-64-C	NCS 1000 64 channels Odd Multiplexer/Demultiplexer Patch Panel-C-band
NCS1K-MD-32E-CE	NCS 1000 32chs Even Mux/Demux Patch Panel - 150GHz—C-band Enhanced

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