

Supported Components

Following is the list of supported components for Cisco Optical Network Controller:

Product ID	Description
NCS 2000 Devices	
Transponder/Muxponder	
NCS2K-400G-XP=	400G CFP2 MR xponder
Passives	
NCS2K-MF-6RU=	Mechanical frame for passive units - 14 slots with USB Hub - 6RU
NCS2K-MF10-6RU=	Mechanical frame for passive units - 10 slots with USB Hub - 6RU
NCS2K-MF-DEG-5=	Mesh interconnection MF unit - upto 5 degrees
NCS2K-MF-UPG-4=	Mesh interconnection MF unit - upgrade - 4 degrees
NCS2K-MF-DEG-5-CV=	5 degrees mesh interconnect - with Connection Verification
NCS2K-MF-UPG-4-CV=	4 degrees upgrade mesh interconnect - with Connection Verification
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
NCS2K-MF-MPO-8LC=	MPO to 8x LC fan out MF unit - with integrated monitoring
NCS2K-MF-6AD-CFS=	6-port add/drop MF unit - Colorless Flex Spectrum
NCS2K-MF-10AD-CFS=	10-port add/drop MF unit - Colorless Flex Spectrum

Product ID	Description
NCS2K-MF-16AD-CFS=	16-port add/drop MF unit - Colorless Flex Spectrum
NCS1K-MD-64-C=	Optical module is based on Athermal Wave Guide (AWG) providing 64 channels at 75-GHz space covering the extended C-band of optical spectrum.
Optical Cables	
NCS2K-MF-2MPO-ADP=	Double MPO-16 to 2xMPO-8 Adapter MF unit - monitoring
Optical Amplifiers	
NCS2K-EDRA1-26C=	21 dBm Erbium Doped Raman Amplifier 26dB Span - C-Band, includes one 2m LC/LC fiber optic cables and one 2m E2000/PC high power fiber optical cable
NCS2K-EDRA1-35C=	21 dBm Erbium Doped Raman Amplifier 35dB Span - C-Band, includes one 2m LC/LC fiber optic cable and one 2m E2000/PC high power fiber optical cable
NCS2K-EDRA2-26C=	21 dBm Erbium Doped Raman Amplifier + Bst 26dB Span - C-Band, includes two 2m LC/LC fiber optic cables and one 2m E2000/PC high power fiber optical cable
NCS2K-EDRA2-35C=	21 dBm Erbium Doped Raman Amplifier + Bst 35dB Span - C-Band, includes two 2m LC/LC fiber optic cables and one 2m E2000/PC high power fiber optical cable
NCS2K-OPT-EDFA-35=	NCS2000 - Optical Amplifier, C Band, switchable gain
15454-OPT-AMP-C=	Enhanced optical amplifier, 20 dBm output power, can be configured as preamplifier or booster, C-band, 80 channel, 50-GHz compatible, LC connectors, midstage access, includes one 4-dB LC/LC attenuated loopback (to be used if DCU is not required) and two 2-meter LC/LC fiber-optic cables.
Line Cards	
NCS2K-9-SMR17FS=	9-port Single Module ROADM - 0-17dB Gain - Flex Spectrum
NCS2K-9-SMR24FS=	9-port Single Module ROADM - 12-24dB Gain - Flex Spectrum
NCS2K-9-SMR34FS=	9-port Single Module ROADM - 20-34dB Gain - Flex Spectrum

Product ID	Description
NCS2K-20-SMRFS-CV=	20-port SMR - Switch. Gain Flex Spectrum - Connection Verification
NCS2K-20-SMRFS-L=	20-port Single Module ROADM - Switchable Gain - Flex Spectrum
Contentionless Add/Drop Line Cards	
NCS2K-12-AD-CCOFS=	12-port - 4-degree - Contentionless add/drop unit (typical 20W, maximum 30W)
NCS2K-16-AD-CCOFS=	12-port - 4-degree - Contentionless add/drop unit (typical 40W, maximum 50W)
Patch Panels	
15216-MD-48-EVEN=	Cisco ONS 15216 exposed faceplate multiplexer/demultiplexer patch panels of 48-channels spaced at 100 GHz on the even ITU grid.
15216-MD-48-ODDE=	Cisco ONS 15216 exposed faceplate multiplexer/demultiplexer patch panels of 48-channels spaced at 100 GHz on the odd ITU grid.
Interleaver and Deinterleaver Pluggable	
15216-MD-48-CM=	50 GHz/100 GHz C-band interleaver and deinterleaver pluggable that provides signal interleaving and deinterleaving in 50-GHz channel spacing DWDM systems.
EDFA Amplifier Cards	
15454-OPT-EDFA-17=	Cisco True Variable Gain Booster Amplifier with maximum 17-dB gain
15454-OPT-EDFA-24=	Cisco True Variable Gain Booster Amplifier with maximum 24-dB gain
Raman Amplifier Cards	
15454-M-RAMAN-COP=	High-Power Co-Propagating, 1W optical pump output power, C-band, 96-channel 50-GHz Raman unit with 1 ES 2000 PS PC 2m cable
15454-M-RAMAN-CTP=	High-Power Counter-Propagating, 1W optical pump output power, C-band, 96-channel 50-GHz Raman unit with 2 ES 2000 PS PC – LC 2m cables
NCS 1000 Devices	
NCS 1010	

Product ID	Description
NCS1K-OLT-C=	NCS 1010 Optical Line Terminal - C-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-R-C=	NCS 1010 In-Line Amplifier with 1x Raman - C-band
NCS1K-ILA-2R-C=	NCS 1010 In-Line Amplifier with 2x Raman - C-band
NCS 1K MD32 Filters	
NCS1K-MD-32O-C=	NCS 1000 32 chs Odd Mux/Demux Patch Panel - 150GHz - C-band
NCS1K-MD-32E-C=	NCS 1000 32 chs Even Mux/Demux Patch Panel - 150GHz - C-band
NCS 1K Breakout Modules	
NCS1K-BRK-24=	NCS 1000 MTP/MPO to 16 colorless chs passive breakout module
NCS1K-BRK-8=	NCS 1000 shelf for 4 passive modules

Note NCS 2000 series SVO devices do not support PM history in Cisco Optical Network Controller 2.0 release.