



**Cisco NCS 4206-16 Series Aggregation
Services Routers Feature Optics Matrix**
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Legend:
 NA: Not Applicable
 NS: Not Supported

Part Number	Description	Chassis and Supported IMs													
		NCS 4206 and NCS 4216 Series Routers													
		A900-IMA8S/T (8x1G)	A900-IMA1X (1x10G XFP)	A900-IMA4OS (4xOC3)	A900-IMA8S1Z / NCS4200-1T8LR-PS (8x1G SFP + 1x10G SFP+)	A900-IMA8T1Z (8x1G RJ45 + 1x10G SFP+)	A900-IMA8CS1Z / NCS4200-1T16G-PS	A900-IMA2Z (2x10GE XFP/SFP+)	A900-IMA8Z / NCS4200-8T-PS (8x10GE)	A900-IMA1Z8S-CX / NCS4200-1T8S-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1Z8S-CXMS / NCS4200-1T8S-20CS	A900-IMA3G-IMSG / NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C / NCS4200-2H-PQ / N560-IMA2C (2x100GE)
Fast Ethernet SFPS															
GLC-FE-100LX	100BASE-LX SFP for FE port	3.8	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GLC-FE-100BX-D	100BASE-BX10-D SFP	3.8	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GLC-FE-100BX-U	100BASE-BX10-U SFP	3.8	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GLC-FE-100EX	100BASE-EX SFP (40km)	3.1	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GLC-FE-100ZX	100BASE-ZX SFP (80km)	3.1	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GLC-FE-100FX	100BASE-FX SFP for FE port	3.8	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Part Number	Description	Chassis and Supported IMs													
		NCS 4206 and NCS 4216 Series Routers													
		A900-IMA8S/T (8x1G)	A900-IMA1X (1x10G XFP)	A900-IMA40S (4xOC3)	A900-IMA8S1Z / NCS4200-1T8LR-PS (8x1G SFP + 1x10G SFP+)	A900-IMA8T1Z (8x1G RJ45 + 1x10G SFP+)	A900-IMA8CS1Z / NCS4200-1T16G-PS	A900-IMA2Z (2x10GE XFP/SFP+)	A900-IMA8Z / NCS4200-8T-PS (8x10GE)	A900-IMA1Z8S-CX / NCS4200-1T8S-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1Z8S-CXMS / NCS4200-1T8S-20CS	A900-IMA3G-IMSG / NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C / NCS4200-2H-PQ / N560-IMA2C (2x100GE)
GLC-FE-100LX-RGD=	100BASE-LX SM Rugged SFP	3.5	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GLC-FE-100FX-RGD=	100BASE-FX MM Rugged SFP	3.5	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	
ONS-SE-100-BX10D=	SFP-10/100 BX-D, EXT	16.5.1	NA	NA	16.5.1	NA	NA	NA	NS	NA	NA	NA	NA	NA	
ONS-SE-100-BX10U=	SFP-10/100 BX-U, EXT	16.5.1	NA	NA	16.5.1	NA	NA	NA	NS	NA	NA	NA	NA	NA	
ONS-SE-100-LX10=		NS	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	
ONS-SE-GE-BXD=		NS	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	
ONS-SE-GE-BXU=		NS	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	
GigabitEthernet SFPs															
GLC-SX-MM-RGD	1000Mbps Multi-Mode Rugged SFP	3.5	NA	NA	3.13	NA	16.7.1	NA	NA	NA	NA	NA	NA	NA	
GLC-LX-SM-RGD	1000Mbps Single Mode Rugged SFP	3.5	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GLC-ZX-SM-RGD	1000BASE-ZX Single Mode RuggedSFP	3.5	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GLC-BX-D=	1000BASE-BX SFP, 1490nm	3.5	NA	NA	3.13	NA	16.7.1	NA	NA	NA	NA	NA	NA	NA	
GLC-BX-U=	1000BASE-BX SFP, 1310nm	3.5	NA	NA	3.13	NA	16.7.1	NA	NA	NA	NA	NA	NA	NA	

Part Number	Description	Chassis and Supported IMs NCS 4206 and NCS 4216 Series Routers												
		A900-IMA8S/T (8x1G)	A900-IMA1X (1x10G XFP)	A900-IMA40S (4xOC3)	A900-IMA8S1Z / NCS4200-1T8LR-PS (8x1G SFP + 1x10G SFP+)	A900-IMA8T1Z (8x1G RJ45 + 1x10G SFP+)	A900-IMA8CS1Z / NCS4200-1T16G- PS	A900-IMA2Z (2x10GE XFP/SFP+)	A900-IMA8Z/ NCS4200-8T-PS (8x10GE)	A900-IMA1Z8S-CX / NCS4200- 1T8S-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1Z8S-CXMS / NCS4200- 1T8S-20CS	A900-IMA3G-IMSG /NCS4200- 3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	A900-IMA1C / NCS4200-1H-PK (1x100G)
GLC-EX-SMD	GE SFP, LC Connector, EX transceiver	3.5	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	
GLC-SX-MMD	1000BASE-SX SFP transceiver module, MMF, 850nm, DOM	3.6	NA	NA	3.13	NA	16.7.1	NA	NA	NA	NA	NA	NA	
GLC-LH-SMD	1000BASE-LX/LH SFP transceiver module, MMF/SMF, 1310nm, DOM	3.6	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	
GLC-ZX-SMD	1000BASE-ZX SFP transceiver module, SMF, 1550nm, DOM	3.6	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	
GLC-LH-SM	GE SFP, LC connector LX/LH transceiver	NS	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	
GLC-SX-MM	GE SFP, LC connector SX transceiver	NS	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	
GLC-ZX-SM	1000BASE-ZX SFP	NS	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	
GLC-T=	1000BASE-T SFP	NS	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	
GLC-TE	1000BASE-T SFP	3.18SP.1	NA	NA	3.18SP.1	NA	16.9.2	NA	NA	NA	NA	NA	NA	
SFP-GE-T	1000BASE-T SFP (NEBS 3 ESD)	3.5	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	

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		A900-IMA8S/T (8x1G)	A900-IMA1X (1x10G XFP)	A900-IMA40S (4xOC3)	A900-IMA8S1Z / NCS4200-1T8LR-PS (8x1G SFP + 1x10G SFP+)	A900-IMA8T1Z (8x1G RJ45 + 1x10G SFP+)	A900-IMA8CS1Z / NCS4200-1T16G- PS	A900-IMA2Z (2x10GE XFP/SFP+)	A900-IMA8Z/ NCS4200-8T-PS (8x10GE)	A900-IMA1Z8S-CX / NCS4200- 1T8S-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1Z8S-CXMS / NCS4200- 1T8S-20CS	A900-IMA3G-IMSG /NCS4200- 3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C /NCS4200-2H-PQ/ N560-IMA2C (2x100GE)
SFP-GE-L	1000BASE-LX/LH SFP (DOM)	3.1	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SFP-GE-S	1000BASE-SX SFP (DOM)	3.1	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SFP-GE-Z	1000BASE-ZX Gigabit Ethernet SFP (DOM)	3.1	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SFP-LX-SM		NS	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	
SFP-SX-MM		NS	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	
GLC-BX40-U-I		3.14	NA	NA	3.14	NA	16.7.1	NA	NA	NA	NA	NA	NA	NA	
GLC-BX40-D-I		3.14	NA	NA	3.14	NA	16.7.1	NA	NA	NA	NA	NA	NA	NA	
GLC-BX40-DA-I		3.14	NA	NA	3.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GLC-BX80-U-I		3.14	NA	NA	3.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GLC-BX80-D-I		3.14	NA	NA	3.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GLC-GE-DR-LX		3.18	NA	NA	3.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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ONS-SC-GE-LX=		3.19	NA	NA	3.18	NA	NA	NA	NA	NA	NA	NA	NA		
ONS-SE-ZE-EL=		3.17	NA	NA	3.17	NA	NA	NA	NA	NA	NA	NA	NA		
ONS-SC-GE-BXD	(V01)	3.18	NA	NA	3.18	NA	NA	NA	NA	NA	NA	NA	NA		
ONS-SC-GE-BXU	(V01)	3.18	NA	NA	3.18	NA	NA	NA	NA	NA	NA	NA	NA		
ONS-SI-GE-LX		3.17	NA	NA	3.17	NA	NA	NA	NA	NA	NA	NA	NA		
ONS-SI-GE-SX		NS	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA		
ONS-SI-GE-EX		NS	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA		
ONS-SI-GE-ZX		16.5.1	NA	NA	16.5.1	NA	NA	NA	NA	NA	NA	NA	NA		
ONS-SE-Z1=	OC-3 SR-1, OC-12 SR-1, OC- 48 IR-1 or GE LX	3.18SP	NA	NA	3.18SP	NA	NA	NA	NA	NA	NA	NA	NA		

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		A900-IMA8S/T (8x1G)	A900-IMA1X (1x10G XFP)	A900-IMA40S (4xOC3)	A900-IMA8S1Z / NCS4200-1T8LR-PS (8x1G SFP + 1x10G SFP+)	A900-IMA8T1Z (8x1G RJ45 + 1x10G SFP+)	A900-IMA8CS1Z / NCS4200-1T16G-PS	A900-IMA2Z (2x10GE XFP/SFP+)	A900-IMA8Z/ NCS4200-8T-PS (8x10GE)	A900-IMA1Z8S-CX / NCS4200-1T8S-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1Z8S-CXMS / NCS4200-1T8S-20CS	A900-IMA3G-IMSG / NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C / NCS4200-2H-PQ/ N560-IMA2C (2x100GE)
TN-GLC-BX-U20	Transition 1000Base-BX 1310nm TX/1490nm RX single fiber single mode (LC) with DMI [20 km]	16.12.1	NA	NA	16.12.1	NA	16.12.1	NA	NA	NA	NA	NA	NA	NA	NA
FTLF1318P3BTL	Finisar 1000BASE-LX and 1G Fibre Channel 10km	16.12.1	NA	NA	16.12.1	NA	16.12.1	NA	NA	NA	NA	NA	NA	NA	NA
TXN31115D100000	Intel SFP 1000BASE-SX 4GB Short Wavelength 850nm 500ft LC	16.12.1	NA	NA	16.12.1	NA	16.12.1	NA	NA	NA	NA	NA	NA	NA	NA
FTRJ1319P1/BTL-J2	Juniper Finisar Industrial Temperature 2 Gigabit Long-Wavelength Pluggable SFP Transceiver	16.12.1	NA	NA	16.12.1	NA	16.12.1	NA	NA	NA	NA	NA	NA	NA	NA
1G Bi-di Optics (2x1G)															
ONS-SC-2GE-BX-D		NA	NA	NA	NA	NA	16.7.1	NA	NA	NA	NA	NA	NA	NA	
GLC-2BX-D-I		NA	NA	NA	NA	NA	16.7.1	NA	NA	NA	NA	NA	NA	NA	
GLC-2BX-D		NA	NA	NA	NA	NA	16.7.1	NA	NA	NA	NA	NA	NA	NA	

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		NCS 4206 and NCS 4216 Series Routers													
		A900-IMA8S/T (8x1G)	A900-IMA1X (1x10G XFP)	A900-IMA40S (4xOC3)	A900-IMA8S1Z / NCS4200-1T8LR-PS (8x1G SFP + 1x10G SFP+)	A900-IMA8T1Z (8x1G RJ45 + 1x10G SFP+)	A900-IMA8CS1Z / NCS4200-1T16G-PS	A900-IMA2Z (2x10GE XFP/SFP+)	A900-IMA8Z / NCS4200-8T-PS (8x10GE)	A900-IMA1Z8S-CX / NCS4200-1T8S-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1Z8S-CXMS / NCS4200-1T8S-20CS	A900-IMA3G-IMSG / NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C / NCS4200-2H-PQ / N560-IMA2C (2x100GE)
GigabitEthernet Colored Pluggables															
CWDM-SFP-xxxx=	CWDM "xxxx" NM SFP Gigabit Ethernet and 1G/2G FC	3.6	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DWDM-SFP-xxxx=	DWDM SFP xxxx.xx nm SFP (100 GHz ITU grid)	3.6	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ONS-SE-2G-xxxx	(xxxx = CWDM lambda)	NS	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ONS-SC-2G-xx.y		NS	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TenGigabitEthernet XFPs															
XFP-10G-MM-SR=	10GBASE-SR XFP Module	NA	3.5	NA	NA	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA
XFP-10GER-OC192IR=	10GBASE-ER and OC192 IR XFP Module	NA	3.5	NA	NA	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA
XFP-10GLR-OC192SR=	Multirate XFP module for 10GBASE-LR and OC192 SR-1	NA	3.5	NA	NA	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA
XFP-10GZR-OC192LR=	10GBASE-ZR and OC192 LR2 XFP Module	NA	3.5	NA	NA	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA
XFP-10GER-OC192IR-RGD=	10GBASE-ER and OC192 IR XFP Rugged Module	NA	3.5.1	NA	NA	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA

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		A900-IMA8S/T (8x1G)	A900-IMA1X (1x10G XFP)	A900-IMA40S (4xOC3)	A900-IMA8S1Z / NCS4200-1T8LR-PS (8x1G SFP + 1x10G SFP+)	A900-IMA8T1Z (8x1G RJ45 + 1x10G SFP+)	A900-IMA8CS1Z / NCS4200-1T16G-PS	A900-IMA2Z (2x10GE XFP/SFP+)	A900-IMA8Z / NCS4200-8T-PS (8x10GE)	A900-IMA1Z8S-CX / NCS4200-1T8S-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1Z8S-CXMS / NCS4200-1T8S-20CS	A900-IMA3G-IMSG / NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C / NCS4200-2H-PQ / N560-IMA2C (2x100GE)
XFP-10GLR-OC192SR-RGD=	Multirate XFP rugged module for 10GBASE-LR and OC192 SR-1	NA	3.5.1	NA	NA	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA
XFP-10GZR-OC192LR-RGD=	10GBASE-ZR and OC192 LR2 XFP Rugged Module	NA	3.5.1	NA	NA	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA
XFP10GER-192IR-L	Low Power multirate XFP supporting 10GBASE-ER and OC192 IR	NA	3.8	NA	NA	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA
XFP10GLR-192SR-L	Low Power multirate XFP supporting 10GBASE-LR and OC192 SR	NA	3.8	NA	NA	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA
Colored TenGigabitEthernet Pluggables															
DWDM-XFP-C	10G MultiRate C Band Tunable DWDM XFP	NA	3.5	NA	NA	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA
DWDM-XFP-xxxx	DWDM XFP xxxx.xx nm XFP (100 GHz ITU grid)	NA	3.9	NA	NA	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA
ONS-XC-10G-Epxx.x	10G MR, XFP, DWDM, Edge Performance xxxx.xx, 100 GHz, LC	NA	3.8	NA	NA	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA

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ONS-XC-10G-xxxx=	OC192/10GE/OTU2, CWDM, xxxxmn, XFP C-Temp, 40km range	NA	3.11	NA	NA	NA	NA	3.13	NA	NA	NA	NA	NA	NA	NA
DWDM-SFP10G-xx.xx	DWDM SFP+	NA	NA	NA	3.13	3.13	NA	3.13	3.16	NA	NA	NA	NA	NA	NA
CWDM-SFP10G-xxxx	8 wavelengths CWDM optics SFP+	NA	NA	NA	3.14	3.14	NA	3.14	3.16	NA	NA	NA	NA	NA	NA
DWDM-SFP10G-C	DWDM SFP+	NA	NA	NA	3.18	3.18	NA	3.18	3.18	NA	NA	NA	NA	NA	NA
DWDM-SFP10G-C-S	DWDM SFP+	NA	NA	NA	NS	NS	NA	NS	NS	NA	NA	NA	NA	NA	NA
ONS-SC+-10G-C=	SFP+ -10G MR, Full C Band Tunable DWDM SFP+, 50 Ghz, LC	NA	NA	NA	16.6.1	16.6.1	NA	16.6.1	16.6.1	NA	NA	NA	NA	NA	NA
ONS-SC+-10GEPXX.X=	10G MR, SFP+, DWDM, Edge Performance xxxx.xx, 100 GHz, LC	NA	NA	NA	3.18SP	3.18SP	NA	3.18SP	3.18SP	NA	NA	NA	NA	NA	NA
ONS-SC+-10G-xx.x=	(xx.x = DWDM lambda)	NA	NA	NA	3.18	3.18	NA	3.18	3.18	NA	NA	NA	NA	NA	NA

Part Number	Description	Chassis and Supported IMs NCS 4206 and NCS 4216 Series Routers													
		A900-IMA8S/T (8x1G)	A900-IMA1X (1x10G XFP)	A900-IMA40S (4xOC3)	A900-IMA8S1Z / NCS4200-1T8LR-PS (8x1G SFP + 1x10G SFP+)	A900-IMA8T1Z (8x1G RJ45 + 1x10G SFP+)	A900-IMA8CS1Z / NCS4200-1T16G-PS	A900-IMA2Z (2x10GE XFP/SFP+)	A900-IMA8Z/ NCS4200-8T-PS (8x10GE)	A900-IMA1Z8S-CX / NCS4200-1T8S-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1Z8S-CXMS / NCS4200-1T8S-20CS	A900-IMA3G-IMSG / NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C / NCS4200-2H-PQ/ N560-IMA2C (2x100GE)
TenGigabitEthernet SFP+															
SFP-10G-SR		NA	NA	NA	3.13	3.13	16.7.1	3.13	3.16	NA	NA	NA	NA	NA	NA
SFP-10G-LR		NA	NA	NA	3.13	3.13	16.7.1	3.13	3.16	NA	NA	NA	NA	NA	NA
SFP-10G-LRM		NA	3.18	NA	3.18	3.18	3.18	3.18	3.18	NA	NA	NA	NA	NA	NA
SFP-H10GB-CU1M		NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SFP-H10GB-CU1.5M		NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SFP-H10GB-CU2M		NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SFP-H10GB-CU2.5M		NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SFP-H10GB-CU3M		NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SFP-H10GB-CU5M		NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SFP-H10GB-CU7M		NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SFP-10G-ER		NA	NA	NA	3.13	3.13		3.13	3.16	NA	NA	NA	NA	NA	NA
SFP-10G-ZR		NA	NA	NA	3.13	3.13		3.13	3.16	NA	NA	NA	NA	NA	NA
SFP-10G-SR-X	extended temp version of SR SFP+	NA	NA	NA	3.13	3.13	16.7.1	3.13	3.16	NA	NA	NA	NA	NA	NA

Part Number	Description	Chassis and Supported IMs NCS 4206 and NCS 4216 Series Routers													
		A900-IMA8S/T (8x1G)	A900-IMA1X (1x10G XFP)	A900-IMA40S (4xOC3)	A900-IMA8S1Z / NCS4200-1T8LR-PS (8x1G SFP + 1x10G SFP+)	A900-IMA8T1Z (8x1G RJ45 + 1x10G SFP+)	A900-IMA8CS1Z / NCS4200-1T16G- PS	A900-IMA2Z (2x10GE XFP/SFP+)	A900-IMA8Z/ NCS4200-8T-PS (8x10GE)	A900-IMA1Z8S-CX / NCS4200- 1T8S-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1Z8S-CXMS / NCS4200- 1T8S-20CS	A900-IMA3G-IMSG /NCS4200- 3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C /NCS4200-2H-PQ/ N560-IMA2C (2x100GE)
SFP-10G-LR-X	extended temp version of LR SFP+	NA	NA	NA	3.13	3.13	16.7.1	3.13	3.16	NA	NA	NA	NA	NA	NA
SFP-10G-BXD-I	10G BX 10Km SFP+	NA	NA	NA	3.14	3.14		3.14	3.16	NA	NA	NA	NA	NA	NA
SFP-10G-BXU-I	10G BX 10Km SFP+	NA	NA	NA	3.14	3.14		3.14	3.16	NA	NA	NA	NA	NA	NA
SFP-10G-BX40D-I	10G BX 40Km SFP+	NA	NA	NA	3.14	3.14		3.14	3.16	NA	NA	NA	NA	NA	NA
SFP-10G-BX40U-I	10G BX 40Km SFP+	NA	NA	NA	3.14	3.14		3.14	3.16	NA	NA	NA	NA	NA	NA
SFP-10G-SR-S		NA	NA	NA	3.17	3.17		3.17	3.17	NA	NA	NA	NA	NA	NA
SFP-10G-LR-S		NA	NA	NA	3.17	3.17		3.17	3.17	NA	NA	NA	NA	NA	NA
SFP-10G-ER-S		NA	NA	NA	3.17	3.17		3.17	3.17	NA	NA	NA	NA	NA	NA
SFP-10G-ZR-S		NA	NA	NA	3.17	3.17		3.17	3.17	NA	NA	NA	NA	NA	NA
ONS-SC+-10G-SR=		NA	NA	NA	16.5.1	16.5.1		16.5.1	16.5.1	3.18SP	16.12.1	NA	NA	NA	NA
ONS-SC+-10G-LR=		NA	NA	NA	3.18SP	3.18SP		3.18SP	3.18SP	3.18SP	16.12.1	NA	NA	NA	NA
ONS-SC+-10G-ER=		NA	NA	NA	3.18SP	3.18SP		3.18SP	3.18SP	3.18SP	16.12.1	NA	NA	NA	NA
ONS-SC+-10G-ZR=		NA	NA	NA	16.5.1	16.5.1		16.5.1	16.5.1	NA	NA	NA			NA
10GSFP+E-LR	Champion Long haul 10GBase-LR SFP+, 1310nm, 10km rated	NA	NA	NA	16.12.1	16.12.1	16.12.1	16.12.1	16.12.1	NA	NA	NA	NA	NA	NA

Part Number	Description	Chassis and Supported IMs NCS 4206 and NCS 4216 Series Routers													
		A900-IMA8S/T (8x1G)	A900-IMA1X (1x10G XFP)	A900-IMA40S (4xOC3)	A900-IMA8S1Z / NCS4200-1T8LR-PS (8x1G SFP + 1x10G SFP+)	A900-IMA8T1Z (8x1G RJ45 + 1x10G SFP+)	A900-IMA8CS1Z / NCS4200-1T16G-PS	A900-IMA2Z (2x10GE XFP/SFP+)	A900-IMA8Z / NCS4200-8T-PS (8x10GE)	A900-IMA1Z8S-CX / NCS4200-1T8S-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1Z8S-CXMS / NCS4200-1T8S-20CS	A900-IMA3G-IMSG / NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C / NCS4200-2H-PQ / N560-IMA2C (2x100GE)
FTLX1672D3BCL	Finisar 10Gb/s, 40km Single Mode, Multi-Rate SFP+ Transceiver	NA	NA	NA	16.12.1	16.12.1	16.12.1	16.12.1	16.12.1	NA	NA	NA	NA	NA	NA
WAN SFPs															
ONS-SI-155-SR-MM		NA	NA	3.6	NA	NA	NA	NA	NA	3.18SP	16.12.1	16.7.1	NA	NA	NA
ONS-SI-155-I1		NA	NA	3.6	NA	NA	NA	NA	NA	3.18SP	16.12.1	16.7.1	NA	NA	NA
ONS-SI-155-L1		NA	NA	3.6	NA	NA	NA	NA	NA	3.18SP	16.12.1	16.7.1	NA	NA	NA
ONS-SI-155-L2		NA	NA	3.6	NA	NA	NA	NA	NA	3.18SP	16.12.1	16.7.1	NA	NA	NA
ONS-SC-155-EL		NA	NA	3.7	NA	NA	NA	NA	NA	16.6.1	16.12.1	16.7.1	NA	NA	NA
ONS-SI-622-SR-MM		NA	NA	3.9	NA	NA	NA	NA	NA	3.18SP	16.12.1	16.7.1	NA	NA	NA
ONS-SI-622-I1		NA	NA	3.9	NA	NA	NA	NA	NA	3.18SP	16.12.1	16.7.1	NA	NA	NA
ONS-SI-622-L1		NA	NA	3.9	NA	NA	NA	NA	NA	3.18SP	16.12.1	16.7.1	NA	NA	NA
ONS-SI-622-L2		NA	NA	3.9	NA	NA	NA	NA	NA	3.18SP	16.12.1	16.7.1	NA	NA	NA
ONS-SI-2G-S1	OC48 SR / STM16 I.1	NA	NA	NA	NA	NA	NA	NA	NA	16.5.1	16.12.1	16.7.1	NA	NA	NA
ONS-SI-2G-I1	OC48 IR1 / STM-S-16.1	NA	NA	NA	NA	NA	NA	NA	NA	3.18SP	16.12.1	16.7.1	NA	NA	NA

Part Number	Description	Chassis and Supported IMs NCS 4206 and NCS 4216 Series Routers													
		A900-IMA8S/T (8x1G)	A900-IMA1X (1x10G XFP)	A900-IMA40S (4xOC3)	A900-IMA8S1Z / NCS4200-1T8LR-PS (8x1G SFP + 1x10G SFP+)	A900-IMA8T1Z (8x1G RJ45 + 1x10G SFP+)	A900-IMA8CS1Z / NCS4200-1T16G-PS	A900-IMA2Z (2x10GE XFP/SFP+)	A900-IMA8Z/ NCS4200-8T-PS (8x10GE)	A900-IMA1Z8S-CX / NCS4200-1T8S-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1Z8S-CXMS / NCS4200-1T8S-20CS	A900-IMA3G-IMSG / NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C / NCS4200-2H-PQ/ N560-IMA2C (2x100GE)
ONS-SI-2G-L1	OC48 LR1 / STM-L-16.1	NA	NA	NA	NA	NA	NA	NA	NA	3.18SP	16.12.1	16.7.1	NA	NA	NA
ONS-SI-2G-L2	OC48 LR2 / STM-L-16.2	NA	NA	NA	NA	NA	NA	NA	NA	3.18SP	16.12.1	16.7.1	NA	NA	NA
ONS-SC-155-TSOP	TSoP STM-1/OC3 Optics	3.14	NA	NA	3.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ONS-SC-622-TSOP	TSoP STM-4/OC12 Optics	3.18	NA	NA	3.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ONS-SI-OC-VCOP	VCoP STM-1/STM-4 (oc3/oc12) Optics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ONS-SI-PDH-VCOP	VCoP DS3 Optics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MiRiCi-E3/T3	E3/T3 SFP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ONS-SI-DS1-TPOP=	T1 TPOP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
40G QSFPs															
QSFP-40GE-LR4		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA
QSFP-40G-LR4		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.16	NA	NA
QSFP-40G-SR4		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.16	NA	NA
QSFP-40G-ER4		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.18	NA	NA

Part Number	Description	Chassis and Supported IMs NCS 4206 and NCS 4216 Series Routers													
		A900-IMA8S/T (8x1G)	A900-IMA1X (1x10G XFP)	A900-IMA40S (4xOC3)	A900-IMA8S1Z / NCS4200-1T8LR-PS (8x1G SFP + 1x10G SFP+)	A900-IMA8T1Z (8x1G RJ45 + 1x10G SFP+)	A900-IMA8CS1Z / NCS4200-1T16G- PS	A900-IMA2Z (2x10GE XFP/SFP+)	A900-IMA8Z/ NCS4200-8T-PS (8x10GE)	A900-IMA1Z8S-CX / NCS4200- 1T8S-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1Z8S-CXMS / NCS4200- 1T8S-20CS	A900-IMA3G-IMSG /NCS4200- 3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C /NCS4200-2H-PQ/ N560-IMA2C (2x100GE)
QSFP-40G-LR4-S		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
QSFP-40G-SR4-S		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100G CPAKs															
CPAK-100G-LR4		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.16	NA
CPAK-100G-SR10		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.16	NA
CPAK-100G-ER4-L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.6.1	NA
CPAK-100G-SR4		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.7.1	NA
CPAK-100G-CWDM4		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CPAK-100G-PSM4		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CPAK-10X10G-LR		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA
QSFP-100G-SR4-S															16.11.1

Part Number	Description	Chassis and Supported IMs NCS 4206 and NCS 4216 Series Routers													
		A900-IMA8S/T (8x1G)	A900-IMA1X (1x10G XFP)	A900-IMA40S (4xOC3)	A900-IMA8S1Z / NCS4200-1T8LR-PS (8x1G SFP + 1x10G SFP+)	A900-IMA8T1Z (8x1G RJ45 + 1x10G SFP+)	A900-IMA8CS1Z / NCS4200-1T16G-PS	A900-IMA2Z (2x10GE XFP/SFP+)	A900-IMA8Z/ NCS4200-8T-PS (8x10GE)	A900-IMA1Z8S-CX / NCS4200-1T8S-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1Z8S-CXMS / NCS4200-1T8S-20CS	A900-IMA3G-IMSG / NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C / NCS4200-2H-PQ/ N560-IMA2C (2x100GE)
QSFP-100G-ER4L-S															16.11.1
QSFP-100G-LR4-S		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.11.1

Notes:

TSOP Optics supported only on 1GigabitEthernet SFP ports

CPAK-100G-SR4 optics support is for version V01 only

GLC-TE on ASR-920-12SZ is supported only with 1000M speed

The Cisco ASR-920-12CZ-A/D supports a maximum of 4 VCoP Smart SFPs on Gig ports (Port number 0,1,10,11) with max ambient temperature of 65°C (OR)

Supports a maximum of 14 VCoP Smart SFPs on all 12 Gig + 2 10GE dual rate ports with max temp of 55°C.

The Cisco ASR-920-12SZ-IM router supports a maximum of 8 VCoP smart SFPs and on all GE and 10GE ports.

The Cisco ASR-920-24SZ-IM, ASR-920-24SZ-M routers support a maximum of 12 VCoP smart SFPs and only on GE ports of the top row

VCoP DS3 Optics is not supported on the Cisco ASR-920-10SZ