



**Cisco NCS 4206-16 Series
Aggregation Services Routers
Feature Optics Matrix
July 2020**

Cisco Systems, Inc.
www.cisco.com

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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-IMA40S (4xOC3)	A900-IMA8S1Z / NCS4200-1TBLR-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 / NCS4200-2QP (2x40GE)	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C / NCS4200-2H-PQ/ N560-IMA2C (2x100GE)		
									Ethernet	OTN			Ethernet	OTN	Ethernet	OTN	
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	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	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	NA	NA	
GLC-FE-100EX	100BASE-EX SFP (40km)	3.1	NA	NA	3.13	NA	NA	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	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	NA	NA	
GLC-FE-100LX-RGD=	100BASE-LX SM Rugged SFP	3.5	NA	NA	3.13	NA	NA	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	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	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 / NCS4200-1TBLR-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)	Ethernet	OTN	A900-IMA1ZBS-CX / NCS4200-1TBS-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1ZBS-CXMS / NCS4200-1TBS-20CS	A900-IMA3G-1MSG /NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	Ethernet	OTN	Ethernet	OTN	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C /NCS4200-2H-PQ/ N560-IMA2C (2x100GE)
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			
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			
GLC-ZX-SM-RGD	1000BASE-ZX Single Mode RuggedSFP	3.5	NA	NA	3.13	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			
GLC-EX-SMD	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	16.6.7			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, Ethernet transceiver	NS	NA	NA	NS	NA		NA	NS			NA	NA	NA	NA			NA			
GLC-SX-MM	GE SFP, LC connector SX transceiver	NS	NA	NA	NS	NA		NA	16.6.7			NA	NA	NA	NA			NA			
GLC-ZX-SM	1000BASE-ZX SFP	NS	NA	NA	NS	NA		NA	NS			NA	NA	NA	NA			NA			
GLC-T=	1000BASE-T SFP	NS	NA	NA	NS	NA		NA	NS			NA	NA	NA	NA			NA			

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		A900-IMA8S/T (8x1G)	A900-IMA1X (1x10G XFP)	A900-IMA40S (4xOC3)	A900-IMA8S1Z / NCS4200-1TBLR-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)	Ethernet	OTN	A900-IMA1ZBS-CX / NCS4200-1TBS-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1ZBS-CXMS / NCS4200-1TBS-20CS	A900-IMA3G-1MSG /NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	Ethernet	OTN	Ethernet	OTN	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C /NCS4200-2H-PQ/ N560-IMA2C (2x100GE)
GLC-TE	1000BASE-T SFP	3.18SP.1	NA	NA	3.18SP.1	NA	16.9.2	NA	NA			NA	NA	NA	NA			NA			
SFP-GE-T	1000BASE-T SFP (NEBS 3 ESD)	3.5	NA	NA	3.13	NA		NA	16.6.7			NA	NA	NA	NA			NA			
SFP-GE-L	1000BASE-LX/LH SFP (DOM)	3.1	NA	NA	3.13	NA		NA	NA			NA	NA	NA	NA			NA			
SFP-GE-S	1000BASE-SX SFP (DOM)	3.1	NA	NA	3.13	NA		NA	16.6.7			NA	NA	NA	NA			NA			
SFP-GE-Z	1000BASE-ZX Gigabit Ethernet SFP (DOM)	3.1	NA	NA	3.13	NA		NA	16.6.7			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			
GLC-BX80-U-I		3.14	NA	NA	3.14	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			

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		A900-IMA8S/T (8x1G)	A900-IMA1X (1x10G XFP)	A900-IMA40S (4xOC3)	A900-IMA8S1Z / NCS4200-1TBLR-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)	Ethernet	OTN	A900-IMA1ZBS-CX / NCS4200-1TBS-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1ZBS-CXMS / NCS4200-1TBS-20CS	A900-IMA3G-1MSG /NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	Ethernet	OTN	Ethernet	OTN	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C /NCS4200-2H-PQ/ N560-IMA2C (2x100GE)
GLC-LH-LMM-T1								16.6.7	16.6.7												
GLC-GE-LH-SMD								16.6.7	16.6.7												
GLC-GE-DR-LX		3.18	NA	NA	3.17	NA	17.3.1	NA	16.6.7			NA	NA	NA	NA					NA	
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	17.3.1	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	17.3.1	NA	NA			NA	NA	NA	NA					NA	
ONS-SI-GE-SX		NS	NA	NA	NS	NA	17.3.1	NA	NA			NA	NA	NA	NA					NA	
ONS-SI-GE-EX		NS	NA	NA	NS	NA	17.3.1	NA	NA			NA	NA	NA	NA					NA	
ONS-SI-GE-ZX		16.5.1	NA	NA	16.5.1	NA	17.3.1	NA	NA			NA	NA	NA	NA					NA	
ONS-SE-ZI=	OC-3 SR-1, OC-12 SR-1, OC-48 IR-1 or GE LX	3.18SP	NA	NA	3.18SP	NA	17.3.1	NA	NA			NA	NA	NA	NA					NA	

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		A900-IMA8S/T (8x1G)	A900-IMA1X (1x10G XFP)	A900-IMA40S (4xOC3)	A900-IMA8S1Z / NCS4200-1TBLR-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)	Ethernet	OTN	A900-IMA1ZBS-CX / NCS4200-1TBS-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1ZBS-CXMS / NCS4200-1TBS-20CS	A900-IMA3G-1MSG /NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	Ethernet	OTN	Ethernet	OTN	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	NA
GLC-2BX-D-I		NA	NA	NA	NA	NA	16.7.1	NA	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	NA
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

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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	NA
Ten Gigabit Ethernet 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	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	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	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	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	NA
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	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	NA
XFP10GER-192IR-L	Low Power multirate XFP supporting 10GBASE-ER and OC-192 IR	NA	3.8	NA	NA	NA	NA	3.13	NA			NA	NA	NA	NA			NA	NA	NA

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XFP10GLR-192SR-L	Low Power multirate XFP supporting 10GBASE-LR and OC-192 SR	NA	3.8	NA	NA	NA	NA	3.13	NA			NA	NA	NA	NA			NA		NA
Colored Ten Gigabit Ethernet 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
ONS-XC-10G-xxxx=	OC192/10GE/OTU2, CWDM, xxxxxm, 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		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		3.14	3.16			NA	NA	NA	NA			NA		NA
DWDM-SFP10G-C	DWDM SFP+	NA	NA	NA	3.18	3.18		3.18	3.18			NA	NA	NA	NA			NA		NA
DWDM-SFP10G-C-S	DWDM SFP+	NA	NA	NA	NS	NS		NS	NS			NA	NA	NA						NA

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									Ethernet	OTN			Ethernet	OTN	Ethernet	OTN	
ONS-SC+-10G-C=	SFP+ -10G MR, Full C Band Tuneable DWDM SFP+, 50 Ghz, LC	NA	NA	NA	16.6.1	16.6.1	16.6.1	16.6.1					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	3.18SP	3.18SP					NA	NA	NA	NA	
ONS-SC+-10G-xx.x=	(xx.x = DWDM lambda)	NA	NA	NA	3.18	3.18	3.18	3.18					NA	NA	NA	NA	
Ten Gigabit Ethernet SFP+																	
SFP-10G-SR		NA	NA	NA	3.13	3.13	16.7.1	3.13	3.16				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	
SFP-10G-LRM		NA	3.18	NA	3.18	3.18	3.18	3.18	3.18				NA	NA	NA	NA	
SFP-10G-ER		NA	NA	NA	3.13	3.13		3.13	3.16				NA	NA	NA	NA	

Part Number	Description	Chassis and Supported IMs																		
		NCS 4206 and NCS 4216 Series Routers																		
		A900-IMA8S1Z (8x1G)	A900-IMA1X (1x10G XFP)	A900-IMA40S (4xOC3)	A900-IMA8S1Z / NCS4200-1TBLR-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)	Ethernet	OTN	A900-IMA1ZBS-CX / NCS4200-1TBS-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1ZBS-CXMS / NCS4200-1TBS-20CS	A900-IMA3G-1MSG / NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	Ethernet	OTN	A900-IMA1C / NCS4200-1H-PK (1x100G)	OTN	A900-IMA2C / NCS4200-2H-PQ / N560-IMA2C (2x100GE)
SFP-10G-ZR		NA	NA	NA	3.13	3.13		3.13	3.16	3.18	NA	NA	NA	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	3.18	NA	NA	NA	NA	NA	NA		NA	NA	NA
SFP-10G-LR-X	extended temp version of LR SFP+	NA	NA	NA	3.13	3.13	16.7.1	3.13	3.16	3.18	NA	NA	NA	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		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		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		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		NA	NA	NA
SFP-10G-SR-S		NA	NA	NA	3.17	3.17		3.17	3.17		NA	NA	NA	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		NA	NA	NA
SFP-10G-ER-S		NA	NA	NA	3.17	3.17		3.17	3.17		NA	NA	NA	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		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	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	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	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	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 / NCS4200-1TBLR-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)	Ethernet	OTN	A900-IMA1ZBS-CX / NCS4200-1TBS-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1ZBS-CXMS / NCS4200-1TBS-20CS	A900-IMA3G-1MSG /NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	Ethernet	OTN	Ethernet	OTN	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C /NCS4200-2H-PQ/ N560-IMA2C (2x100GE)
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	16.12.1	16.12.1	NA	NA	NA	NA			NA		NA	NA
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	16.12.1	16.12.1	NA	NA	NA	NA			NA		NA	NA
ONS-SC+-10G-SR							17.3.1														
ONS-SC+-10G-LR							17.3.1														
ONS-SC+-10G-ZR							17.3.1														
ONS-SC+-10G-ER							17.3.1														
WAN SFPs																					
ONS-SI-155-SR-MM		NA	NA	3.6	NA	NA		NA	NA			3.18SP	16.12.1	16.7.1	NA			NA		NA	NA
ONS-SI-155-11		NA	NA	3.6	NA	NA		NA	NA			3.18SP	16.12.1	16.7.1	NA			NA		NA	NA
ONS-SI-155-L1		NA	NA	3.6	NA	NA		NA	NA			3.18SP	16.12.1	16.7.1	NA			NA		NA	NA
ONS-SI-155-L2		NA	NA	3.6	NA	NA		NA	NA			3.18SP	16.12.1	16.7.1	NA			NA		NA	NA
ONS-SC-155-EL		NA	NA	3.7	NA	NA		NA	NA			16.6.1	16.12.1	16.7.1	NA			NA		NA	NA
ONS-SI-622-SR-MM		NA	NA	3.9	NA	NA		NA	NA			3.18SP	16.12.1	16.7.1	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 / NCS4200-1TBLR-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)	Ethernet	OTN	A900-IMA1ZBS-CX / NCS4200-1TBS-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1ZBS-CXMS / NCS4200-1TBS-20CS	A900-IMA3G-1MSG /NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	Ethernet	OTN	Ethernet	OTN	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C /NCS4200-2H-PQ/ N560-IMA2C (2x100GE)
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	
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	
40G QSFPs																					
QSFP-40GE-LR4		NA	NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NS	3.18		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	3.18		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 / NCS4200-1TBLR-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)	Ethernet	OTN	A900-IMA1ZBS-CX / NCS4200-1TBS-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1ZBS-CXMS / NCS4200-1TBS-20CS	A900-IMA3G-1MSG /NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	Ethernet	OTN	A900-IMA1C / NCS4200-1H-PK (1x100G)	OTN	A900-IMA2C /NCS4200-2H-PQ/ N560-IMA2C (2x100GE)
QSF-40G-LR4-S		NA	NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA			NA		NA
QSF-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
QSF-100G-SR4-S																				16.11.1
QSF-100G-ER4L-S																				16.11.1
QSF-100G-LR4-S		NA		NA	NA	NA	NA	NA	NA			NA	NA	NA	NA			NA		16.11.1
100G CPAKs																				
CPAK-100G-LR4		NA	NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA			3.16	16.5.1	NA
CPAK-100G-SR10		NA	NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA			3.16	16.5.1	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 / NCS4200-1TBLR-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)	Ethernet	OTN	A900-IMA1ZBS-CX / NCS4200-1TBS-10CS (8xOCn/STMn + 1xOC192/STM-64)	A900-IMA1ZBS-CXMS / NCS4200-1TBS-20CS	A900-IMA3G-MSG /NCS4200-3GMS	A900-IMA2F / NCS4200-2Q-P (2x40GE)	Ethernet	OTN	Ethernet	OTN	A900-IMA1C / NCS4200-1H-PK (1x100G)	A900-IMA2C /NCS4200-2H-PQ/ N560-IMA2C (2x100GE)
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
QSFP-100G-ER4L-S																					16.11.1
QSFP-100G-LR4-S		NA	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

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