



Cards and Pluggables

This appendix provides a list of Supported Pluggables supported in CTP ([Table B-1](#)) and the cards supported by NCS 2015 ([Table B-2](#)).

Table B-1 **Supported Pluggables**

Card	Supported Pluggables	Default Pluggable
10G-XR	<ul style="list-style-type: none"> • ONS-XC-10G • ONS-XC-10G-C • ONS-XC-10G-96C 	ONS-XC-10G-C
GE-XP	<ul style="list-style-type: none"> • ONS-XC-10G • ONS-XC-10G-C • ONS-XC-10G-96C • ONS-XC-10G-EP30.3 through ONS-XC-10G-EP61.4 	ONS-XC-10G-C
GE-XPE	<ul style="list-style-type: none"> • ONS-XC-10G • ONS-XC-10G-C • ONS-XC-10G-96C • ONS-SC-EOP1 • ONS-XC-10G-EP30.3 through ONS-XC-10G-EP61.4 • ONS-SI-GE-EX 	ONS-XC-10G-C
10GE-XP	<ul style="list-style-type: none"> • ONS-XC-10G • ONS-XC-10G-C • ONS-XC-10G-96C • ONS-XC-10G-EP30.3 through ONS-XC-10G-EP61.4 	ONS-XC-10G-C
10GE-XPE	<ul style="list-style-type: none"> • ONS-XC-10G • ONS-XC-10G-C • ONS-XC-10G-96C • ONS-XC-10G-EP30.3 through ONS-XC-10G-EP61.4 	ONS-XC-10G-C

Table B-1 Supported Pluggables (continued)

Card	Supported Pluggables	Default Pluggable
ADM-10G	<ul style="list-style-type: none"> • ONS-XC-10G • ONS-XC-10G-C • ONS-XC-10G-96C • ONS-XC-10G-EP30.3 through ONS-XC-10G-EP61.4 • ONS-SI-GE-EX 	ONS-XC-10G-C
OTU-2_XP	<ul style="list-style-type: none"> • ONS-XC-10G • ONS-XC-10G-C • ONS-XC-10G-96C • ONS-XC-10G-EP30.3 through ONS-XC-10G-EP61.4 	ONS-XC-10G-C
40G DQPSK MXP	<ul style="list-style-type: none"> • ONS-XC-10G-1470 through ONS-XC-10G-1610 • ONS-XC-10G-S1 • ONS-XC-10G-I2 • ONS-XC-10G-L2 • ONS-XC-10G-C • ONS-XC-10G-96C • ONS-XC-8G-SM • ONS-XC-8G-MM • ONS-XC-10G-SR-MM • ONS-XC-10G-EP30.3= through ONS-XC-10G-EP61.4= 	ONS-XC-10G-C
40G CP-DQPSK MXP	<ul style="list-style-type: none"> • ONS-XC-10G-1470 through ONS-XC-10G-1610 • ONS-XC-10G-S1 • ONS-XC-10G-I2 • ONS-XC-10G-L2 • ONS-XC-10G-C • ONS-XC-10G-96C • ONS-XC-8G-SM • ONS-XC-8G-MM • ONS-XC-10G-SR-MM • ONS-XC-10G-EP30.3= through ONS-XC-10G-EP61.4= 	ONS-XC-10G-C

Table B-1 Supported Pluggables (continued)

Card	Supported Pluggables	Default Pluggable
40G CP-DQPSK ME MXP	<ul style="list-style-type: none"> • ONS-XC-10G-1470 through ONS-XC-10G-1610 • ONS-XC-10G-S1 • ONS-XC-10G-I2 • ONS-XC-10G-L2 • ONS-XC-10G-C • ONS-XC-10G-96C • ONS-XC-8G-SM • ONS-XC-8G-MM • ONS-XC-10G-SR-MM • ONS-XC-10G-EP30.3= through ONS-XC-10G-EP61.4= 	ONS-XC-10G-C

Table B-1 Supported Pluggables (continued)

Card	Supported Pluggables	Default Pluggable
AR-MXP AR-XP	<ul style="list-style-type: none"> • ONS-XC-10G-C • ONS-XC-10G-96C • ONS-XC-10G-S1 • ONS-XC-10G-I2 • ONS-XC-10G-L2 • ONS-XC-8G-SM • ONS-XC-8G-MM • ONS-XC-10G-EP30.3 through ONS-XC-10G-EP61.4 • ONS-SE-200-MM • ONS-SI-155-SR-MM • ONS-SI-622-SR-MM • ONS-SC-2G-xx.x • ONS-SC-2G-xxxx= • ONS-SE-4G-MM • ONS-SE-4G-SM • ONS-SE-100BX10U • ONS-SE-100BX10D • ONS-SE-GE-BXU • ONS-SE-GE-BXD • ONS-SE-ZE-EL • ONS-SI-100-FX • ONS-SI-100-LX10 • ONS-SI-GE-LX • ONS-SI-GE-SX • ONS-SI-GE-ZX • ONS-SI-GE-EX (AR-XP only) 	ONS-XC-10G-C

Table B-1 Supported Pluggables (continued)

Card	Supported Pluggables	Default Pluggable
AR-MXP AR-XP	<ul style="list-style-type: none"> • ONS-SI-155-I1 • ONS-SI-155-L2 • ONS-SI-622-I1 • ONS-SI-622-L1 • ONS-SI-622-L2 • ONS-SC-4G-xx.x • ONS-SI-2G-L1 • ONS-SI-2G-L2 • ONS-SI-2G-S1 • ONS-SE-Z1 • ONSSI-155-L1 • ONS-SE-155-xxxx • ONS-SC-155-EL • ONS-SC-4G-xx.x • ONS-SC-HD3GV-TX • ONS-SC-HD3GV-RX • ONS-SI-155-L1 • ONS-SE-100-BX10U • ONS-SE-100-BX10D 	—
100G-LC-C 100G-ME-C 100G-CK-ME-C	<ul style="list-style-type: none"> • ONS-CXP-100G-SR10 	ONS-CXP-100G-SR10
100G-CK-LC-C 100GS-CK-LC 200G-CK-LC	<ul style="list-style-type: none"> • CPAK-100G-SR10 • CPAK-100G-LR4 • CPAK-100G-SR4 (100GE) 	CPAK-100G-SR10

Table B-1 Supported Pluggables (continued)

Card	Supported Pluggables	Default Pluggable
100GS-CK-LC + 10X10G-LC 200G-CK-LC + 10X10G-LC	<ul style="list-style-type: none"> • ONS-SC+-10G-SR • ONS-SC+-10G-ER • ONS-SC+-10G-LR • ONS-SC+-10G-ZR • ONS-SC+-10G-xx.x • ONS-SC+-10GEPxx.x • ONS-SC+-10G-C • ONS-SC+-10G-CU-1 • ONS-SC+-10G-CU-3 • ONS-SC+-10G-CU-5 • ONS-SC+-10G-CU-7 • ONS-SC+-10G-xxxx 	—
200G-CK-LC + MR-MXP + 10X10G-LC	<p>MR-MXP (SFP+):</p> <ul style="list-style-type: none"> • ONS-SC+-10G-SR= • ONS-SC+-10G-LR= • ONS-SC+-10G-C= (10G Tunable) • ONS-SC+-10G-EP30.3= through • ONS-SC+-10G-EP61.8= (10G DWDM) <p>MR-MXP (QSFP):</p> <ul style="list-style-type: none"> • ONS-QSFP-40G-SR4 • ONS-QSFP-4x10G-LR <p>10X10G-LC:</p> <ul style="list-style-type: none"> • ONS-SC+-10G-SR • ONS-SC+-10G-ER • ONS-SC+-10G-LR • ONS-SC+-10G-ZR • ONS-SC+-10G-xx.x • ONS-SC+-10GEPxx.x • ONS-SC+-10G-C • ONS-SC+-10G-CU-1 • ONS-SC+-10G-CU-3 • ONS-SC+-10G-CU-5 • ONS-SC+-10G-CU-7 • ONS-SC+-10G-xxxx • ONS-QSFP-4x10G-LR • ONS-QSFP-40G-SR4 	—

Table B-1 Supported Pluggables (continued)

Card	Supported Pluggables	Default Pluggable
200G-CK-LC + MR-MXP with FEC/EFEC/SD-FEC	MXP-100G: <ul style="list-style-type: none"> • ONS-SC+-10G-SR= • ONS-SC+-10G-LR= • ONS-SC+-10G-C • ONS-SC+-10G-EPxx.x • ONS-QSFP-40G-SR4 • ONS-QSFP-4x10G-LR TXP-100G: <ul style="list-style-type: none"> • CPAK-100G-SR10 • CPAK-100G-LR4 100GE <ul style="list-style-type: none"> • CPAK-100G-SR4 	—
200G-CK-LC + MR-MXP + MR-MXP with SD-FEC	40GE QSFP-40G-LR4	—
200G-CK-LC + MR-MXP (200G Mxp 100G+10x10G Mode) with SD-FEC_20	100GE <ul style="list-style-type: none"> • CPAK-100G-SR4 • CPAK-100G-SR10 • CPAK-100G-LR4 10GE LAN PHY for MR-MXP (SFP+) <ul style="list-style-type: none"> • ONS-SC+-10G-LR • ONS-SC+-10G-SR • ONS-SC+-10G-C • ONS-SC+-10G-EP 10GE LAN PHY for MR-MXP (QSFP) <ul style="list-style-type: none"> • ONS-QSFP-40G-SR4 • ONS-QSFP-4x10G-LR 	—

Table B-1 Supported Pluggables (continued)

Card	Supported Pluggables	Default Pluggable
10x10G-LC	<ul style="list-style-type: none"> • ONS-SC+-10G-ER • ONS-SC+-10G-LR • ONS-SC+-10G-SR • ONS-SC+-10G-ZR • ONS-SC+-10G-30.3 through ONS-SC+-10G-61.4 • ONS-SC+-10GEP-30.3 through ONS-SC+-10GEP-61.4 • ONS-SC+-10G-CU-1 • ONS-SC+-10G-CU-3 • ONS-SC+-10G-CU-5 • ONS-SC+-10G-CU-7 • ONS-SC+-10G-C • ONS-SC+-10G-xxxx 	ONS-SC+-10G-SR
WSE	<ul style="list-style-type: none"> • ONS-SC+-10G-ER • ONS-SC+-10G-LR • ONS-SC+-10G-SR • ONS-SC+-10G-ZR • ONS-SC+-10G-30.3 through ONS-SC+-10G-61.4 • ONS-SC+-10GEP-30.3 through ONS-SC+-10GEP-61.4 • ONS-SC+-10G-CU-1 • ONS-SC+-10G-CU-3 • ONS-SC+-10G-CU-5 • ONS-SC+-10G-CU-7 • ONS-SC+-10G-C 	ONS-SC+-10GEP-XX
CFP-LC	<ul style="list-style-type: none"> • ONS-CC-100G-LR4 • ONS-CC-100GE-LR4 • ONS-CC-40G-LR4 • ONS-CC-40G-FR • CFP-40G-SR4 • CFP-100G-SR10 	ONS-CC-100G-LR4 for OTU4 ONS-CC-100GE-LR4 for 100GE LAN PHY ONS-CC-40G-LR4= for 40GE LAN PHY or OTU3

Table B-1 Supported Pluggables (continued)

Card	Supported Pluggables	Default Pluggable
MXP_MR_10DMEX	<ul style="list-style-type: none"> ONS-SE-G2F-SX ONS-SE-G2F-LX ONS-SI-GE-ZX ONS-SE-4G-MM ONS-SE-4G-SM ONS-SI-GE-EX 	ONS-SE-G2F-SX for Gigabit ethernet, Fiber Channel 2G, 2G-FICON, 1G-FICON, Fiber Channel. ONS-SE-4G-MM for 4G-FICON, Fiber Channel 4G. ONS-SE-G2F-LX for ISC-Compact, ISC-Peer-1G, ISC-Peer-2g
MXP_MR_10DME	<ul style="list-style-type: none"> ONS-SE-G2F-LX ONS-SE-G2F-SX ONS-SE-ZE-EL SFP-GE+-LX SFP-GEFC-SX ONS-SI-GE-ZX ONS-SI-GE-EX ONS-SE-4G-MM ONS-SE-4G-SM 	ONS-SE-G2F-LX for Gigabit ethernet, Fiber Channel 2G, 2G-FICON, 1G-FICON, Fiber Channel, ISC-Compact, ISC-Peer-1G, ISC-Peer-2g. ONS-SE-4G-MM for 4G-FICON, Fiber Channel 4G.

Table B-2 lists the cards supported by Cisco NCS 2015.

**Note**

You must upgrade the cards supported in Cisco NCS 2015 M15 chassis to Release 10.5 or Release 10.5.2 before you use them on the M15 chassis.

Table B-2 Cards Supported by NCS 2015

Interface Type	Card	Release
Wavelengths Management Line Cards	NCS2K-9-SMRxxFS	R10.5
	NCS2K-20-SMR-FS	
	NCS2K-12-AD-CCOFS	
	NCS2K-16-AD-CCOFS	
	NCS2K-16-WXC-FS	
	15454-80-WXC-C	R10.5.2
	15216-MD-40-ODD/EVEN/ID-50	
	15216-EF-40-ODD/EVEN	

Table B-2 Cards Supported by NCS 2015

Interface Type	Card	Release
Optical Amplifier Line Cards		
	NCS2K-EDRA1-26/35C	R10.5
	NCS2K-EDRA2-26/35C	
	15454-OPT-EDFA-17/24	
	15454-M-RAMAN-CTP	
	15454-M-RAMAN-COP=	
	15454-OPT-PRE	R10.5.2
	15454-OPT-BST	
	15454-OPT-BST-E	
	15454-OPT-AMP-C	
	15454-OPT-AMP-17C	
Transponder/Muxponder Ancillary Cards		
	NCS2K-200G-CK-C	R10.5
	NCS2K-100GS-CK-C	
	NCS2K-MR-MXP-LIC	
	NCS2K-100G-CK-C	
	NCS2K-100ME-CKC	
	15454-M-100G-LC	
	15454-M-100-ME-LC	
	15454-M-10X10G-LC	
	15454-M-WSE-K9=	
	15454-AR-MXP	
	15454-AR-XPE	
	15454-CFP-LC	R10.5.2
	15454-AR-XP=	
	15454-OTU2-XP=	
	15454-40E-MXP-C=	
	15454-40E-TXP-C=	
	15454-10E-L1-C	
	15454-PSM	
	15454-OSC-CSM	