



Cards and Pluggables

This appendix provides a list of Supported Pluggables supported in CTP and the cards supported by NCS 2015.

Table 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

Card	Supported Pluggables	Default Pluggable
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
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

Card	Supported Pluggables	Default Pluggable
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

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

Card	Supported Pluggables	Default Pluggable
AR-MXP AR-XP		ONS-XC-10G-C

Card	Supported Pluggables	Default Pluggable
	<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-SI-155-I1 • ONS-SI-155-L2 • ONS-SI-622-I1 • ONS-SI-622-L1 	

Card	Supported Pluggables	Default Pluggable
	<ul style="list-style-type: none"> • 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	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 	CPAK-100G-SR10

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 	—

Card	Supported Pluggables	Default Pluggable
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 • OSN-QSFP-4X10-MLR • ONS-QSFP-40G-LR4 • ONS-QSFP-40G-SR-BD <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 <p>10GE LAN PHY, OC192/STM64 and OTU2</p> <ul style="list-style-type: none"> • ONS-QSFP-4X10-MLR 	—

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 10GE LAN PHY, OC192/STM64 and OTU2 <ul style="list-style-type: none"> • ONS-QSFP-4X10-MLR 	—
200G-CK-LC + MR-MXP + MR-MXP with SD-FEC	40GE <ul style="list-style-type: none"> • QSFP-40G-LR4 10GE LAN PHY, OC192/STM64 and OTU2 <ul style="list-style-type: none"> • ONS-QSFP-4X10-MLR 	—

Card	Supported Pluggables	Default Pluggable
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 10GE LAN PHY, OC192/STM64 and OTU2 <ul style="list-style-type: none"> • ONS-QSFP-4X10-MLR 	—
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

Card	Supported Pluggables	Default Pluggable
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 	<p>ONS-CC-100G-LR4 for OTU4</p> <p>ONS-CC-100GE-LR4 for 100GE</p> <p>LAN PHY ONS-CC-40G-LR4= for 40GE LAN PHY or OTU3</p>
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 	<p>ONS-SE-G2F-SX for Gigabit ethernet, Fiber Channel 2G, 2G-FICON, 1G-FICON, Fiber Channel.</p> <p>ONS-SE-4G-MM for 4G-FICON, Fiber Channel 4G.</p> <p>ONS-SE-G2F-LX for ISC-Compact, ISC-Peer-1G, ISC-Peer-2g.</p>

Card	Supported Pluggables	Default Pluggable
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 	<p>ONS-SE-G2F-LX for Gigabit ethernet, Fiber Channel 2G, 2G-FICON, 1G-FICON, Fiber Channel, ISC-Compact, ISC-Peer-1G, ISC-Peer-2g.</p> <p>ONS-SE-4G-MM for 4G-FICON, Fiber Channel 4G.</p>
400G-XP-LC	<p>100GE</p> <ul style="list-style-type: none"> • QSFP-100G-SR4-S • ONS-QSFP28-LR4 • QSFP-100G-LR4-S • QSFP-100G-SM-SR • ONS-CFP2-WDM • QSFP-40/100-SRBD (11.0 onwards) <p>16G</p> <ul style="list-style-type: none"> • ONS-QC-16GFC-SW • ONS-QC-16GFC-LW <p>OTU2/2e, OC192/STM64/10G</p> <ul style="list-style-type: none"> • ONS-QSFP-4X10-MLR • ONS-QSFP-4X10-MER <p>40GE</p> <ul style="list-style-type: none"> • QSFP-40G-SR-BD • SR-1 (QSFP-40G-SR4) • LR-1 (QSFP-40G-LR4) <p>8GFC</p> <ul style="list-style-type: none"> • ONS-QC-16GFC-LW 	<p>QSFP-100G-SR4-S</p> <p>ONS-QC-16GFC-SW</p> <p>ONS-QC-16GFC-LW (10.9 onwards)</p> <p>ONS-QSFP-4X10-MLR</p>

Card	Supported Pluggables	Default Pluggable
400G-XP-LC with 15 No_DE and 25 No_DE and Client 1+1 Pring	<p>OTU4</p> <ul style="list-style-type: none"> • ONS-QSFP28-LR4 <p>100G</p> <ul style="list-style-type: none"> • QSFP-100G-SM-SR <p>10G</p> <ul style="list-style-type: none"> • QSFP-40G-SR4 • ONS-QSFP-4X10-MLR • QSFP-4x10G-LR-S • QSFP-4x10G ER (11.0 onwards) <p>16G</p> <ul style="list-style-type: none"> • ONS-QC-16GFC-SW • ONS-QC-16GFC-LW 	
40G DQPSK TXP	<ul style="list-style-type: none"> • ONS-XC-10G • ONS-XC-10G-30.3 through ONS-XC-10G-61.4 	ONS-XC-10G
200G-CK-LC with FEC/EFEC/SD-FEC_20 for TXP-100G mode and Y cable protection.	LR-1 (CPAK-100G-LR4)	
200G-CK-LC+10X10G-LC with FEC/EFEC/SD-FEC_20 for MXP-10X10G mode and Y cable protection.	<p>LR-1 (ONS-SC+-10G-LR)</p> <p>SR-1 (ONS-SC+-10G-SR)</p>	<p>SR-1 (ONS-SC+-10G-SR)</p>
200G-CK-LC + MR-MXP with SD-FEC_20 for MXP-CK-100G mode	<p>OTU4</p> <ul style="list-style-type: none"> • LR-1 (CPAK-100G-LR4) • SR-1 (CPAK-100G-SR10) <p>100G</p> <ul style="list-style-type: none"> • LR-1 (CPAK-100G-LR4) • SR-1 (CPAK-100G-SR10) • SR-1 (CPAK-100G-SR4) 	<p>SR-1 (CPAK-100G-SR10) for OTU4</p> <p>SR-1 (CPAK-100G-SR10) for 100G</p>

Card	Supported Pluggables	Default Pluggable
200G-CK-LC + MR-MXP with FEC/EFEC/SD-FEC_20 for MXP-100G (2x10G +2X40G) mode.	10G <ul style="list-style-type: none"> • SR-1 (ONS-SC+-10G-SR) • LR-1 (ONS-SC+-10G-LR) • DWDM (ONS-SC+-10G-C) • DWDM (ONS-SC+-10GEPXX.X) 40G <ul style="list-style-type: none"> • SR-1 (QSFP-40G-SR4) • LR-1 (QSFP-40G-LR4) 	SR-1 (ONS-SC+-10G-SR) for 10G SR-1 (QSFP-40G-SR4) for 40G

The following table 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.

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	
	15454-40SMR1-C	R10.6.2
	15454-40SMR2-C	
	15454-PP-4-SMR	
Optical Amplifier Line Cards		

Interface Type	Card	Release
	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 ¹	
	NCS2K-OPT-EDFA-35	R10.8
	Transponder/Muxponder Ancillary Cards	

Interface Type	Card	Release	
	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	R10.6.1		
400G-XP-LC			

¹ 15454-OPT-AMP-17C is EOL. For an update on End-of-Life and End-of-Sale PIDs, see [EOL and EOS PIDs](#)

