



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 <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 | — |

| 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 | — |

| 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 |

| Card | Supported Pluggables | Default Pluggable |
|---------------|---|---|
| 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 LAN PHY</p> <p>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> |
| 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 | <ul style="list-style-type: none"> • QSFP-100G-SR4-S • ONS-QSFP28-LR4 • QSFP-100G-LR4-S • QSFP-4X10G-LR-S • ONS-CFP2-WDM | <p>QSFP-100G-SR4-S</p> |

| Card | Supported Pluggables | Default Pluggable |
|---------------|---|-------------------|
| 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 |

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 | |
| 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 | |
| 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 | |
| | 15454-AR-XP= | |
| | 15454-OTU2-XP= | |
| | 15454-40E-MXP-C= | |
| | 15454-40E-TXP-C= | |
| | 15454-10E-L1-C | |
| | 15454-PSM | |
| | 15454-OSC-CSM | |
| | 400G-XP-LC | R10.6.1 |

