

Supported Amplifiers

- Supported Amplifiers, on page 1

Supported Amplifiers

Cisco ONP supports the following amplifiers:

Table 1: Cisco ONP Supported NCS 2000 Amplifiers

Amplifier	Description
15454-M-RAMAN-CTP	Raman Amp C-Band
15454-M-RAMAN-COP	Raman Amp C-Band
EDFA 35 for OLA node	Erbium Doped Fiber Amplifier (EDFA) that can function in dual gain with maximum gain of 35 dB
NCS2K-EDRA2-26C	21dBm EDFA + Bst 26dB Span - C-Band
NCS2K-EDRA1-26C	21dBm EDFA 26dB Span - C-Band
NCS2K-EDRA2-35C	21dBm EDFA + Bst 35dB Span - C-Band
NCS2K-EDRA1-35C	21dBm EDFA35dB Span - C-Band

Note

- RAMAN-CTP is supported on all nodes.
- EDRAs are supported on the OLA node.
- For ROADM and Traffic nodes, the booster amplifier and preamplifier are in-built. The booster is 20SMR-FS-BST.

Table 2: Cisco ONP Supported NCS 1010 Amplifiers

Amplifier	Description
C-Band	
OLT-C-Bst	24 dB Gain (Standard Range), 31dB (Tilt Uncontrolled Range)
OLT-C-Pre-Normal	22 dB Gain (Standard Range), 25dB (Tilt Uncontrolled Range)
OLT-C-Pre-Extended	35 dB Gain (Standard Range), 38 dB (Tilt Uncontrolled Range)
ILA-C-Normal	17 dB Gain (Standard Range), 23 dB Gain (Tilt Uncontrolled Range)
ILA-C-Extended	30 dB Gain (Standard Range), 36 dB Gain (Tilt Uncontrolled Range)
L-Band	
OLT-L-Bst	25.5 dB Gain (Standard Range), 32.5dB (Tilt Uncontrolled Range)
OLT-L-Pre-Normal	23.3 dB Gain (Standard Range), 26.3 dB (Tilt Uncontrolled Range)
OLT-L-Pre-Extended	36.3 dB Gain (Standard Range), 39.3 dB (Tilt Uncontrolled Range)
ILA-L-Normal	19.8 dB Gain (Standard Range),25.8 dB Gain (Tilt Uncontrolled Range)
ILA-L-Extended	32.8 dB Gain (Standard Range),38.8 dB Gain (Tilt Uncontrolled Range)