

2*400G CFP2 Muxponder

DCI BOX



Specification

The 2*400G CFP2 muxponder is a 8*100G service access module designed and developed for optical fiber links. It can realize the wavelength tunable of CFP2 coherent optical module and can be converted into DWDM standard wavelength optical signal. Interconnection with DWDM multiplexer/demultiplexer to realize wavelength division multiplexing transmission. It provides a high-quality solution for solving transmission lines with insufficient fiber resources and high fiber line loss.

Functions and features

- Support DWDM transmission, wavelength conversion.
- The single card supports 8 channels 100G unidirectional or bidirectional service access.
- The line side supports 2 channels 400G CFP2 coherent optical modules access.
- Supporting multiple client-side service access: 100G Base-SR4/CWDM4/LR4/PSM4.

Parameters

| System Parameter | Technical Index |
|------------------------------|--|
| Maximum capacity | 8 * 100G bidirectional transmission 8*100G unidirectional transmission |
| Wavelength (frequency) range | DWDM: 1529.16nm-1567.14nm(191.3THz-196.05THz) |
| Modulation | DP-QPSK@100G 50Ghz, DP-16QAM@200G 50Ghz, DP-16QAMps@200G 50Ghz, DP-QPSK@200G 75Ghz, DP-16QAM@400G 75Ghz. |
| OSNR tolerance | <12dB@100G QPSK, <20.5dB@200G DP-16QAM <16dB@200G DP-16QAMps, <13.5dB@200G DP-QPSK, <22dB@400G DP-16QAM. |
| Service access types | 100GE, OTU4. |
| Dispersion tolerance | ±40000ps/nm@100G |
| OSNR tolerance | <12.5dB@100G |
| Dimensions (mm) | 177(W)*40(H)*225(D) |
| Working temperature | -10°C ~ 70°C |
| Storage temperature | -40°C ~ 80°C |
| Relative humidity | 5% ~ 95% no condensation |
| Safety and EMC | Compliance with FCC, UL, CE, TUV, CSA standards. |
| Power consumption | <90W |