

QSFP28 100G Muxponder

DCI BOX



Specification

The QSFP28 100G muxponder is a 12-channel 10G or 24-channel 10G Ethernet signal aggregator to meet broadband optical transmission and data center links. It follows the G.709 protocol multiplexing mapping and framing processing. After the 100G PAM4 optical module completes the photoelectric conversion into 100G signal, to realize the 10G signal input and output. Provide high-quality solutions for transmissions such as insufficient margins of the existing systems and long optical cable transmission distances.

Functions and features

- QSFP28 100G muxponder supports up to 12 channels of 10G Ethernet client side and 1+1 protection, 100G QSFP28 access capability on the line side. The line side PSM4 100G performs backup and redundancy.
- QSFP28 100G muxponder supports up to 24 channels of 10G Ethernet client side and 1+1 protection, 2x100G QSFP28 access capability on the line side. The line side PSM4 100G performs backup and redundancy.
- Support OTN services such as OTU1, OTU2e, OTU3, OTU4, etc.
- Support OTN package, mapping and overhead defined by G.709.
- The QSFP28 100G muxponder line-side interface adopts PAM4 modulation and uses four different pulse amplitudes to convey information. Each amplitude has two bits, which doubles the data rate and makes the bandwidth efficiency of PAM4 twice that of the traditional binary model.

Parametres

System Parameter	Technical Index
Maximum capacity	2*12 * 10G unidirectional & bidirectional transmission
Wavelength (frequency) range	DWDM: C-Band (100GHZ or 50GHZ)
Service access types	OTN: ODU2, ODU2e Ethernet: 10GbE SONET: OC-192 SDH: STM-64 FC port/FICON: 8G/10G/16G
Dimensions (mm)	367(W)*40(H)*200(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	<85W
Weight	2KG