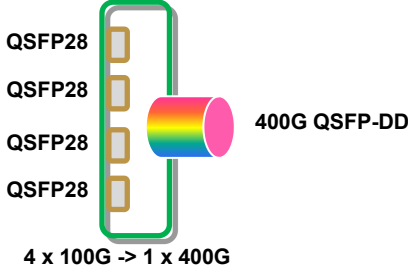# 4Q28-QDD-400G

400Gbps Muxponder Service Card, 4x100G to 400G QSFP-DD

Description

The 400G Muxponder Service Board (4Q28-QDD-400G) from FiberMall. It supports mapping 4x100G signals received on the customer side into one OTUC4 signal and interconverting the OTUC4 signal with ITU-T compliant WDM wavelength optical signals. The line side adopts pluggable QSFP-DD DCO to realize ultra-long distance transmission based on advanced technologies such as coherent detection.

Product View	Functional structure

Application scenario

❖ Suitable for metro and long-haul network transmission up to 450 kilometers
❖ Suitable for high-capacity DCI network transmission in enterprises, parks, cloud computing, etc.
❖ 400G links for existing OTN/DWDM infrastructure

Product Specification

400G Muxponder	
Occupied slots	1/4 slot
Line side	❖ 1 QSFP-DD optical port: using 400G QSFP-DD DCO module, pluggable ❖ Support wavelength adjustable, range covering 191.35~196.1 THz ❖ Support adjustable luminous power (-13~-9dBm range) ❖ Support 100G~400G rate adjustable
Client side	4 QSFP28 optical ports pluggable
OTN function	❖ Adoption of ITU-T G709 recommended frame format and overhead handling ❖ The ODUk (k=C4) layer supports functions such as PM ❖ The OTUk (k=C4) layer supports the SM function
Supported service Types	100GE, 100GE FlexE (Unware)
Loopback	Supports line-side and client-side loopbacks

ALS	support
LLDP	Normal Ethernet support
Protection function	working with the optical protection board, it can realize no sensing on the client side when protection is reversed.
Performance monitoring and alarm monitoring	❖ Support line-side OTN layer performance monitoring and alarm monitoring function ❖ Supports client-side Ethernet LF/RF alarms ❖ Supports optical channel OSNR, temperature, current, optical power monitoring, etc. ❖ Supports Ethernet RMON monitoring ❖ Supports Ethernet PCS layer performance statistics

Ordering Information

Part Number	Product Description
4Q28-QDD-400G	400G Muxponder, 4x100G QSFP28 to 1x400G QSFP-DD