400G Muxponder Service Board

P614 (400G Muxponder Service Board)

400G Muxponder Service Board

Variants

400G P614

Details

400G Muxponder Service Board – P614

The P614 400G Muxponder Service Board is designed for high-capacity OTN/DWDM networks. It supports mapping 1 × 400G or 4 × 100G service signals into a single OTUC4 signal. With CFP2-DCO coherent technology, it enables ultra-long-distance transmission with high performance and flexibility.

Technical Specifications

Feature	Description
Model	400G Muxponder Service Board – P614
Function	Supports 1 × 400G or 4 × 100G service signal mapping into 1 × OTUC4 signal
Slot Number	1 Slot
Line Side	1 × CFP2 port (400G CFP2-DCO, hot-pluggable) Tunable wavelength: 191.35 – 196.1 THz (DWDM C-Band) Adjustable transmit optical power Supports 100G / 200G / 400G transmission rates Optional single-fiber bidirectional transmission

Client Side	1 × QSFP-DD / QSFP28 3 × QSFP28 modules (hot-pluggable)
Frame Format & Overhead	Compliant with ITU-T G.709 standards
OTN Functions	ODUk (k = 4, C4): Performance Monitoring (PM) OTUk (k = 4, C4): Section Monitoring (SM)
Supported Services	100GE, 100GE FlexE, 400GE, OTU4
Time Delay Measurement	Online delay measurement based on ODU layer
Loopback	Supports line-side and client-side loopback
LLDP	Supports Ethernet LLDP protocol
Protection Function	No client-side sensing during protection switching (with optional optical protection board)
Performance & Alarm Monitoring	OTN performance monitoring Alarm monitoring functions Optical module temperature monitoring Optical module current monitoring Tx/Rx optical power monitoring Ethernet RMON monitoring

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