

# 100G Muxponder

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100G Muxponder

## Variants

P422

## Details

### Overview:

The 100G Muxponder service board (P422) launched by D Tech Trading supports mapping the 20x10G optical signal received by the client side into 2 independent OTU4 signals or 10x10G optical signals into 1x OTU4 signal with port 1+1 protection. The line side supports QSFP28 gray optical module or QSFP28/QSFP-DD DCO coherent module to achieve transmission requirements for different distances and diverse networks.

### Applications:

For metro and long-haul network transmission up to 1500 km. QSFP28/QSFP-DD

For high-capacity DCI network transmission for enterprises, campuses, cloud computing, etc.

100G links for existing OTN/DWDM infrastructure

### Product Specification:

Feature	Details
Muxponder Type	100G Muxponder (P422)
Slots	2 slots
Line Side	2 QSFP28 / QSFP-DD ports: using 100G QSFP28 / QSFP-DD DCO module, pluggable
	Support wavelength adjustable, range covers 191.35~196.1 THz
Client Side	Support 20 SFP+ modules hot-swappable

Feature	Details
Function	<ul style="list-style-type: none"> <li>- Support 20x10G service signals mapping to 2 xOTU4 signals</li> </ul>
	<ul style="list-style-type: none"> <li>- Support 10x10G service signals mapping to 1 xOTU4 signal (with port 1+1 protection)</li> </ul>
Frame Format & Overhead Handling	Using ITU-T G709 recommendations
OTN Function	<ul style="list-style-type: none"> <li>- ODUk (k=2, 2e, 4) layer: support PM and other functions</li> <li>- OTUk (k=2, 4) layer: support SM functions</li> </ul>
Supported Service Types	10GE, FC 8G/16G, STM-64, OTU2
Loop Back	Support line side and client side loopback
Protection Function	Support port 1+1 protection (10x10G on client side, 2x100G on line side)
OTN Performance Monitoring	Supports OTN performance monitoring and alarm monitoring
Performance Monitoring & Alarm Monitoring	<ul style="list-style-type: none"> <li>- Support optical module temperature, current, optical power monitoring, etc.</li> <li>- Support Ethernet RMON monitoring</li> <li>- Support Telemetry</li> </ul>