

# P614 (400G Muxponder Service Board)

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#### Details

##### Product Description :

The 400G Muxponder Service Board (P614) from D Tech Trading 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 Applications:

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 (P616)	
<b>Function</b>	? Support 1x400G or 4x100G service signal mapping to 1 OTUC4 signal
<b>Slot number</b>	1 slot
<b>Line side</b>	Support 1 CFP2 port: adopts 400G CFP2-DCO module, hot-pluggable ? Support wavelength adjustable, the range covers 191.35~196.1 THz. Support light-emitting power adjustable Support 100G/200G/400G rate adjustable. Support single fiber bidirectional transmission (optional)

<b>Client side</b>	Support 1 QSFP-DD/ QSFP28, 3 QSFP28 modules hot-pluggable
<b>OTN function</b>	<p>Frame format and overhead handling using ITU-T G709 recommendations</p> <p>ODUk (k=4, C4) layer support PM and other functions</p> <p>OTUk (k=4, C4) layer support SM functions</p>
<b>Support services</b>	100GE, 100GE FlexE(Unware), 400GE, OTU4
<b>Time delay measurement</b>	Online delay measurement based on ODU layer
<b>Loopback</b>	Support line side and client-side loopbacks
<b>LLDP</b>	Ethernet Support
<b>Protection function</b>	No client-side sensing during protection reversal if with optical protection board (optional)
<b>Performance monitoring and alarm monitoring</b>	<p>Support OTN performance monitoring and alarm monitoring functions</p> <p>Support optical module temperature, current, optical power monitoring, etc.</p> <p>Support Ethernet RMON monitoring</p>