

100G Transmultiplexer Unit TMUX OTU



The TMUX3800 100G is a high-performance optical networking board designed to maximize fiber efficiency by aggregating diverse client-side traffic into a single high-speed transport stream. It functions as a Transmultiplexer (TMUX) that grooms multiple lower-rate signals—such as 10G or 40G Ethernet—and maps them into a unified 100G OTN (Optical Transport Network) container for seamless long-haul transmission. By integrating Optical Transform Unit (OTU) capabilities, the card converts standard "grey" client signals into specialized "colored" DWDM wavelengths, ensuring robust delivery across optical backbones. This solution is particularly notable for its high-density architecture and low power consumption of 30W or less, making it an efficient choice for scaling bandwidth in metro and long-haul data center interconnect applications.

Features

- 100G Line Throughput
- Service Aggregation
- Standardized Mapping
- Wavelength Conversion
- Plug-in card design, easy expansion
- Low Power Consumption

Applications

- DWDM Network
- Data Center Network

Specifications

Parameter	Specification	Unit
Data Rate	100	Gbps
Center Wavelength (DWDM)	1529.50 1565.50	nm
100G interface	Client Side	100G QSFP28 module
	Line Side	4xSFP28 25G module
NMS	TELNET, SNMP, WEB	
Power Consumption	≤ 30	W
Operating Temperature	-10 +60	°C
Storage Temperature	-40 +80	°C
Relative Humidity	5% ~ 95% Non-condensing	

Note: The specifications provided are for general applications with a cost-effective approach. If you need to narrow or expand the tolerance, coverage, limit, or qualifications, please [click this link](#):



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DATASHEET

Layout (1 Slot, 100G)



Ordering Information (Part Number)

Prefix	Model	SFP28 #	QSFP28	1	1	Rack
TMUX-	SFP = 01 QSFP+ = 04 QSFP28 = 10 Special = 000	1 = 1 2 = 2 3 = 3 4 = 4	Yes = 1 Non = N			Non = N 1U Ethernet = 1 2U Ethernet = 2 3U Ethernet = 3 4U Ethernet = 4