

Optical Transport Unit (OTU)

10, 40, 100 GbE



The Optical Transport Unit (OTU) is a pluggable module designed to house SFP transceivers while providing framing, multiplexing, and error correction for optical data signals. As a protocol-independent transport container, the OTU enables efficient transmission over dense wavelength division multiplexing (DWDM) networks. It supports multiple configurations, including 10G, 40G, and 100G transmission networks. Additionally, 2x40G and 2x100G versions are available, featuring 3R (Re-amplification, Re-shaping, Re-timing) regeneration to convert signals into 2xWDM standard wavelengths, facilitating the multiplexing of different WDM channels for long-haul optical transmission.

Features

- Support signal rate: 10, 40Gbps, 103Gbps~112Gbps
- Support service access types: Ethernet, FC, etc.
- Support Optical signals Regeneration, Reshaping and Retiming
- Plug-in card design, easy expansion

Applications

- DWDM Network
- Data Center Network

Specifications

Parameter	Specification			Unit
Access Signal Rate	10	40	103~112	Gbps
SMSR	> 30			dB
Power Consumption	< 30			W
Mode	SM/MM	SM		
Optical Transceiver Package	SFP	QSFP+	QSFP28	
Support Business Type	10GE OTU2	40GE OTU3	100GE OTU4	
Optical Transceiver Slot Numbers	8	6		
Two-Way Service Channel	2			

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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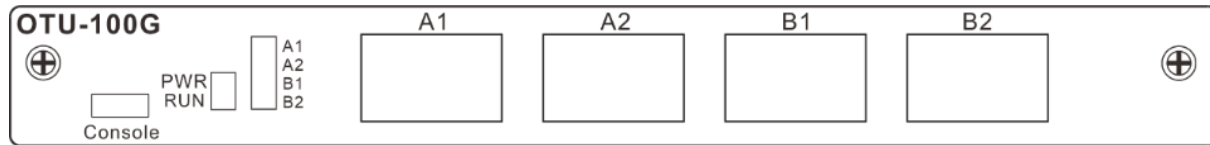
Optical Transport Unit (OUT)

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DATASHEET

Layout (1 Slot, 100G)



Ordering Information (Part Number)

Prefix	Transceiver Type	Business Type	Transceiver #	1	1	Rack
ROTU-	SFP = 01 QSFP+ = 04 QSFP28 = 10 Special = 000	10 GE = 010 40GE = 040 100GE = 100 Special = 000	4 = 4 6 = 6 8 = 8			Non = 1 1U Ethernet = 2 1U RS232 = 3 2U Ethernet = 4