



## F520 100G Transponder 1\*100G QSFP28 to 1\*100G CFP

**Part Number:** F520-OTU1Q1C



### Overview

OTU1Q1C Transponder supports one QSFP28 100G client-side interfaces and one CFP2 100G line-side interface for 100Gbps large-grain data transmission. With the advanced Coherent (with CFP-DCO module) and FEC technology, it fulfills various kinds of high-capacity, long distance and superior-performance transmission tasks.

### Applications

- Metro DWDM distance extension
- Long-Haul transmission system
- Signal Repeating
- Media Conversion
- Lambda Conversion

### Features

- Client side: 1\*100G QSFP28
- Line side: 1\*100G CFP
- Support Line-side GFEC (G.709 RS-FEC), EFEC and SDFEC (depends on CFP-DCO module)
- Dispersion Tolerance up to 40000ps/nm (depends on CFP-DCO module)
- Support adjustable wavelength with CFP-DCO module
- Support adjustable output power with CFP-DCO module
- Support OSNR real-time monitoring with CFP-DCO module
- Support port Loopback test
- Hot Swap
- Real-Time DDM
- Support ALS (Automatic Laser Shutdown)
- Support LFP (Link Forward Pass though)
- Support all F520 Chassis



## Specification

Parameter		Technical indicators	Unit
Data Rate		100	Gbps
CFP-DCO DWDM Wavelength		1529.5 ~1565.50	nm
Interface Type	Client Side	1*100G QSFP28	
	Line Side	1*100G CFP	
Line-side FEC (Gain / Delay / BER Threshold)	GFEC (G.709 RS-FEC)	6.2dB / 1.2μs / 8.5e-2	
	EFEC	9.4dB / 16μs / 3.6e-2	
	SDFEC-LOW-LATENCY-SD2	10.6dB / 9.4μs / 1.40e-2	
	SDFEC-LH-SD2	9.4dB / 7.9μs / 1.01e-2	
	SDFEC-LOW-LATENCY-SD0	10.8dB / 9.4μs / 1.56e-2	
Management		TELNET, SNMP, WEB	
Power Consumption		< 50	W
Size		191(W) x 253(D) x 41(H)	mm
Operating Temperature		-10 ~ 60	°C
Storage Temperature		-40 ~ 80	°C
Relative Humidity (no condensation)		5 ~ 95	RH%

## Ordering Information

Part No.	Description
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