
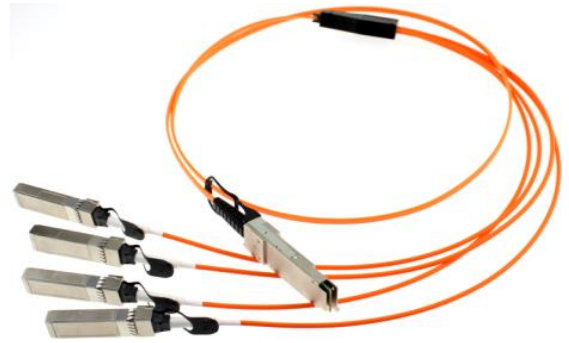


GIGALIGHT 40G QSFP+ to 4X 10G SFP+ breakout Active Optical Cables GQP-MDO400-XXXX

Features

- ◆ Electrical interface compliant to QSFP+ connector (SFF-8436) and SFP+ connectors (SFF-8431)
- ◆ Hot Pluggable
- ◆ 850nm VCSEL transmitter, PIN photo-detector receiver
- ◆ Up to 30m on OM2 MMF
- ◆ Up to 100m on OM3 MMF
- ◆ Operating case temperature: 0 to 70°C
- ◆ All-metal housing for superior EMI performance
- ◆ RoHS compliant (lead free) 



Applications

- ◆ 40 Gigabit Ethernet
- ◆ Fibre Channel Applications
- ◆ InfiniBand QDR, SDR, DDR
- ◆ High-performance computing clusters
- ◆ Servers, switches, storage and host card adapters

Description

Gigalight QSFP to 4x SFP+ breakout Active Optical Cable offers IT professionals a cost-effective interconnect solution for merging 40G QSFP and 10G SFP+ enabled host adapters, switches and servers.

For typical applications, users can install this splitter Active Optical cable between an available QSFP port on their 40Gbps rated switch and feed up to four upstream 10GbE-SFP+ enabled switches. Each QSFP-SFP+ splitter Active Optical cable features a single QSFP connector (SFF-8436) rated for 40Gbps on one end and (4) SFP+ connectors (SFF-8431), each rated for 10-Gb/s, on the other.

QSFP interface Specifications

Parameter	Description
Module Form Factor	QSFP+ (Supports SFF8436/SFF8472)
Channel Data Rate	Rate 40Gbps
BER	$<10^{-12}$
Operating Case Temperature	0 to + 70°C
Storage Temperature	-20 to + 85°C
Supply Voltage	3.3V nominal
Supply current	180mA per end typical
Management Interface Serial	I ² C (Supports SFF8472)

SFP+ interface Specifications

Parameter	Description
Module Form Factor	SFP+ (Supports SFF8431/SFF8432/SFF8472)
Channel Data Rate	Rate 1 to 10.3125Gbps
BER	$<10^{-12}$
Operating Case Temperature	0 to + 70°C
Storage Temperature	-20 to + 85°C
Supply Voltage	3.3V nominal
Supply current	455mA maximum
Management Interface Serial	I ² C (Supports SFF8472)

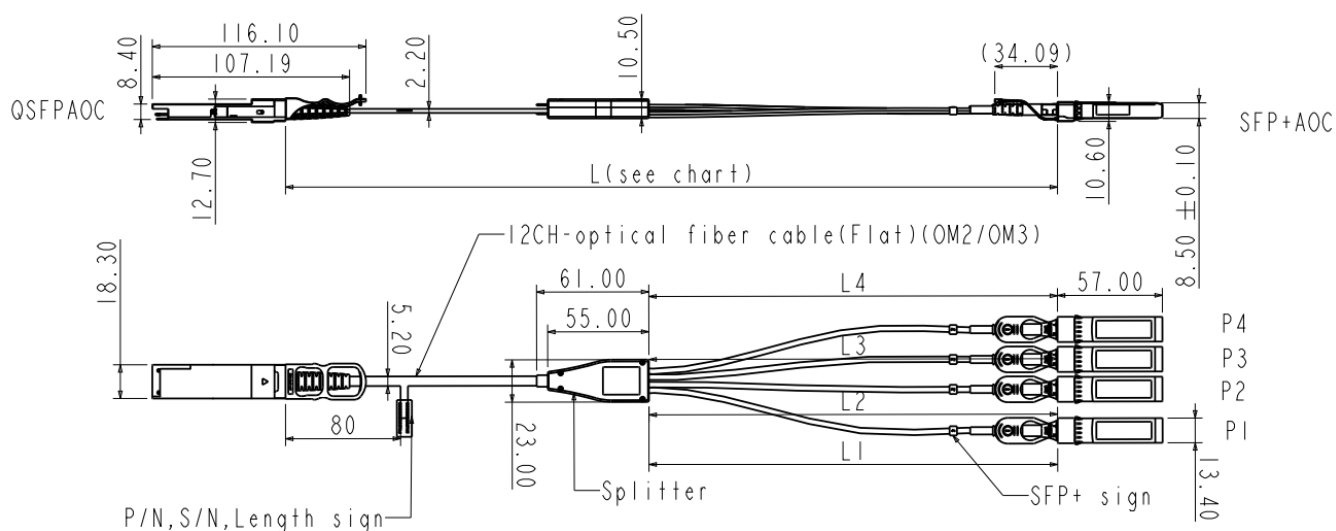


Figure1. Mechanical Specifications

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by GIGALIGHT before they become applicable to any particular order or contract. In accordance with the GIGALIGHT policy of continuous improvement specifications may change without notice.

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Ordering information

Part Number	Product Description
GQP-MDO400-XXXC	40G QSFP to 4x 10G SFP+ Active Optical Cable
XXX :001~30,1~30	Length in meters on OM2 MMF
XXX :001~100,1~100	Length in meters on OM3 MMF
Further details are available from any Gigalight sales representative.	

Global Sales Offices

Asia

Shenzhen Headquarter

Shenzhen Gigalight Technology Co., Ltd

Headquarter Address: 5F, Main Building SheKou Technology Building, No.1067 Nanhai Blvd, Nanshan District, Shenzhen, Guangdong, Province, China, Zip Code 518067

Tel: +86-755-26734300

Fax: +86-755-26738181

Email: sales@gigalight.com.cn

<http://www.gigalight.com.cn>

North America

USA Headquarter

Gigalight USA Corp.

Address:4030 Clipper Court, Fremont CA 94538,USA

TEL: 001-510-440-8682

FAX: 001-510-440-8699

Mail: us@gigalight.com.cn

Europe

Gigalight European Office

Address: 126 rue de la Basse Flaque F-62152 Neufchatel Hardelot FRANCE

Tel: +33 628 055 666

Fax: +33 957 566 163

Email: eu@gigalight.com.cn