

QSFP28 PSM4



The TQS-HG02-31DCM is a parallel 100Gbps Quad Small Form-factor Pluggable (QSFP) optical module. It provides increased port density and total system cost savings. The QSFP28 full-duplex optical module offers 4 independent transmit and receive channels, each capable of 25.78125Gbps operation for an aggregate data rate of 100Gbps over 2000 meters.

An optical fiber cable with an MPO/MTP connector can be plugged into the QSFP28 module receptacle. The module operates by a single +3.3V power supply. LVCMOS/LVTTL global control signals, such as Module Present, Reset, Interrupt and Low Power Mode, are available with the modules. A 2-wire serial interface is available to send and receive more complex control signals, and to receive digital diagnostic information.

The TQS-HG02-31DCM is designed with form factor, optical/electrical connection and digital diagnostic interface according to the QSFP Multi-Source Agreement (SFF-8436). It has been designed to meet the harshest external operating conditions including temperature, humidity and EMI interference. The module offers very high functionality and feature integration, accessible via a two-wire serial interface.

More Details

Part No.	Package	Fiber Type	Data Rate	Wavelength	Optical Component s	Distance	Co
TQS-HG02-31DCM	100G QSFP28 PSM4	SMF	100Gbps		MPO	2km	

Features:

- ? 4 independent full-duplex channels
- ? Up to 25.78125Gbps data rate per channel
- ? MPO optical connector
- ? Hot-pluggable QSFP28 form factor
- ? Digital diagnostic capabilities
- ? Capable of over 2km transmission on SMF
- ? Single +3.3V power supply
- ? Operating case temperature: 0~70?
- ? Low power consumption < 3.5W
- ? RoHS-6 compliant

Applications:

- ? Local Area Network(LAN)

-
- ? Wide Area Network(WAN)
 - ? Datacenter, Ethernet switch and router applications

Product link : <https://www.trixontech.com/qsfp28-psm4.html>