QFP-5005 100Gbps DR Single-mode QSFP28 PAM4 Transceiver, 500m, 1310nm, Duplex LC

Product Images





Short Description

- 100 Gbps aggregate data rate (4×25 Gbps lanes)
- 100GBASE-DR Single-mode fiber for the link up to 500m
- EML transmitter and PIN-TIA photodetector with a center wavelength range of 1310 nm
- Provides duplex LC connector
- Hot-swappable
- Compatible with QSFP28 Multi-Sourcing Agreement (MSA) standards
- Supports Digital Diagnostics Monitoring (DDM) for easy status monitoring
- Commercial operating temperature range: 0°C to 70°C

Description

The LevelOne QFP-5005 is a 100Gbps DR Single-mode QSFP28 PAM4 Transceiver engineered for high-speed, medium-distance data transmission. It delivers an aggregate data rate of 100 Gbps through four 25 Gbps lanes and supports 100GBASE-DR single-mode fiber links up to 500 meters.

Equipped with an EML transmitter and PIN-TIA photodetector operating at a center wavelength of 1310 nm, the transceiver features a duplex LC optical connector for reliable fiber connectivity. The module is hot-swappable and fully compliant with QSFP28 Multi-Sourcing Agreement (MSA) standards, enabling seamless integration and easy maintenance.

Additional features include Digital Diagnostics Monitoring (DDM) for real-time device status and performance monitoring. Designed to operate within a commercial temperature range of 0°C to 70°C, the QFP-5005 is ideal for enterprise and data center environments requiring efficient and reliable single-mode fiber connectivity.

Additional Information

Harmonized System (HS) code.	851762
Customs product code (TARIC).	8517620000
Fiber Optical Mode.	Single-Mode
Grade.	Commercial
Operating humidity.	0% RH ~ 85% RH
Operating temperature.	0°C ~ 70°C
Storage humidity.	5% RH ~ 85% RH
Storage temperature.	-40°C ~ 85°C
Package Contents.	• Quick Installation Guide • Declaration of Conformity
Color.	Silver
EAN.	4015867242247
Model Number.	QFP-5005

