



DIGISOL[®]

SWITCHING SOLUTIONS

DIGISOL 40GBASE-LR4 10km QSFP+ Optical Transceiver with DDM

DG-SA4131

Key Features:-

- QSFP+ MSA compliant
- 4x10Gb/s electrical interface
- Supports 41.2Gb/s aggregate bit rate
- Supports IEEE802.3ba
- Up to 10km transmission on single mode fiber
- LC duplex connector
- Hot-pluggable QSFP+ footprint
- 4-lane DFB and 4-lane PIN
- Commercial case temperature: 0 to 70
- Single 3.3V power supply
- Maximum power consumption 3.5 Watts
- RoHS compliant
- Maximum Supply Voltage: 0 - 3.6 Vcc
- Storage Temperature: -40 to 85
- Relative Humidity: 5 to 85 R_H



Introduction:-

DIGISOL DG-SA4131 is designed for 10km optical communication applications. This module contains 4-lane DFB optical transmitter, 4-lane optical receiver and module management block including 2 wire serial interfaces. The optical signals are multiplexed to a single-mode fiber through an industry standard LC connector.

Applications:-

- 40GBASE-LR4 Ethernet
- Data Center Interconnect

Digital Diagnostic Monitoring Functions:-

DG-SA4131 supports the I2C-based Diagnostic Monitoring Interface (DMI) defined in document SFF-8436. The host can access real-time performance of transmitter and receiver optical power, temperature, supply voltage and bias current.

Ordering Information:-

DG-SA4131 : DIGISOL 41.2 Gbps, Single Mode Fibre, CWDM, 10 Km. Operating Temperature (0~70)

*Warranty shall be subject to terms and conditions specified in the DIGISOL PRODUCT WARRANTY displayed on the website of the company.

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