

# WTD RTX228-408 Datasheet



## WTD RTX228-408 10G SFP+ LR Transceiver Module

RTXM228-408

## WTD RTX228-408 10G SFP+ LR Transceiver Module

The WTD RTX228-408 uncooled 1310nm DML laser based 10Gigabit SFP+ Transceiver is designed to transmit and receive serial optical data over single mode optical fiber with 10Km.

They are compliant with SFF-8431, SFF-8432, 10GFC Rev 4.0, IEEE 802.3ae 10GBASE-LR/LW, Telcordia GR-253-CORE OC-192 SR-1 and ITU-T G.691 STM-64 I-64.1. The transmitter converts serial CML electrical data into serial optical data compliant with the IEEE 802.3ae standard. The receiver converts serial optical data into serial CML electrical data. Digital diagnostics functions are available via a 2-wire serial interface, as specified in SFF-8472

## Features

- Compliant to SFP+ MSA
- Fully RoHS Compliant
- All metal housing for superior EMI performance
- IPF compliant mechanics (SFF-8432 Rev 5.0)
- CDR with 9.95 to 11.3Gbps
- Uncooled DML DFB Laser
- High sensitivity PIN photodiode and TIA
- LC duplex connector
- Hot pluggable 20pin connector
- Low power consumption <1.5W

- -5°C to 70°C operating wide temperature range
- Single +3.3V±5% power supply
- Digital Monitoring SFF-8472 Rev 10.4 compliant
- Real time monitoring of :
  - Transmitted optical power
  - Received optical power
  - Laser bias current
  - Temperature
  - Supply voltage

## Applications

- SONET OC-192 SR-1&SDH STM I-64.1
- 10GBASE-LR/LW
- 10G Fiber Channel

## Specifications

- Part No.: RTX228-408
- Package: SFP+
- Data rate: Up to 11.3G
- Laser: 1310nm DML
- Optical Power: -6 ~-1dBm
- Detector: PIN
- Sensitivity: < -11dBm
- Temp: -5~70°C
- Reach: 10km
- Other: CDR

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