PlusOptic Bidirectional Transceiver GPON ONU B+ SFP Module. 2.5Gb/1.25Gb TX1490/RX1310. SC Simplex Connector. 20km Reach on Single Mode Fibre.GPON-SFP-ONU-B+-20KM

Product Images

Description

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 PLUSOPTIC's GPON-SFP-ONU-B-20KM Small Form Factor Pluggable (SFP) transceiver supports typically Tx 1.244Gbps and Rx 2.488Gbps Asymmetric Data Rate for GPON ONU application up to 20km transmission distance, it's designed meeting with ITU-T G.984.5 Class B+. SC/PC pigtail or SC/APC is for optical interface.

 Fig 1 Transceiver Block Diagram

The module provides digital diagnostic information of its operating conditions and status, including transmitting power, laser bias, receiver input optical power, module temperature, and supply voltage. Calibration and alarm/warning threshold data are written and stored in internal memory (EEPROM). The memory map is compatible with SFF-8472, as shown in Fig. 2. The diagnostic data are raw A/D values and must be converted to real world units using calibration constants stored in EEPROM locations 56 – 95 in A2h
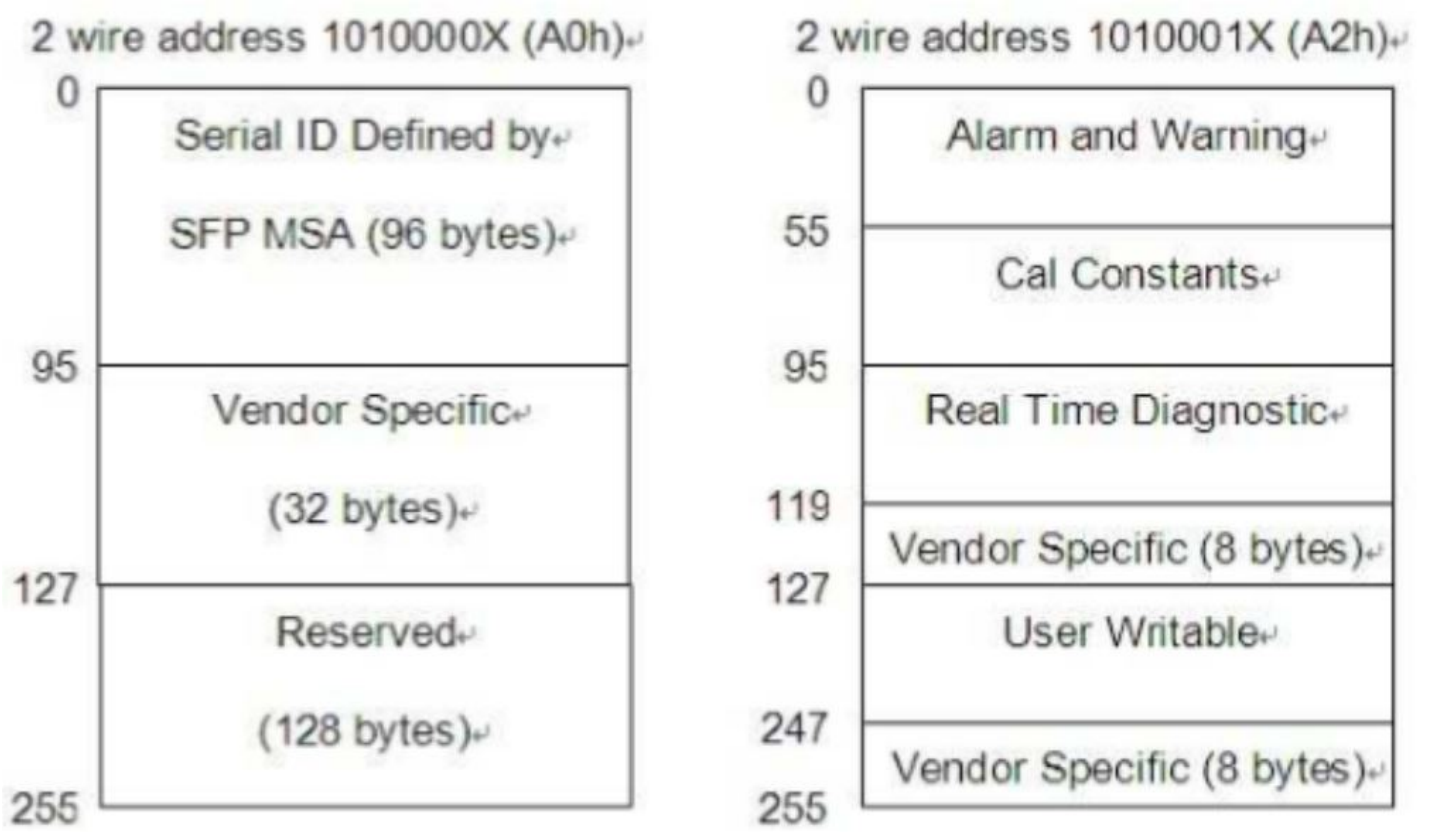

Fig 2 EEPROM Information

FEATURES

- BiDi SFP Single Mode TRanceiver
- SC/PC or SC/APC is optional
- Comply with ITU-T G.984.5 Class B+
- Compliant with SFF MSA-2000 and SFF-8472 V10.3

- Single +3.3 Power Supply
- LVPECL Differential Data Inputs and CML Data Outputs
- LVTTL Signal Detection Output and LVTTL Burst Control
- Complies with Telicordia (Bellcore) GR-468-CORE
- 1310nm Burst Mode Transmitter and 1490nm Continuous Mode Receiver
- 1.244Gbps DFB Laser Diode, 2.488Gbps APDTIA Receiver
- Maximum reach 20km
- Case operating temperature
    - Commercial: 0°C to +70°C

WARRANTY

1-year limited warranty

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