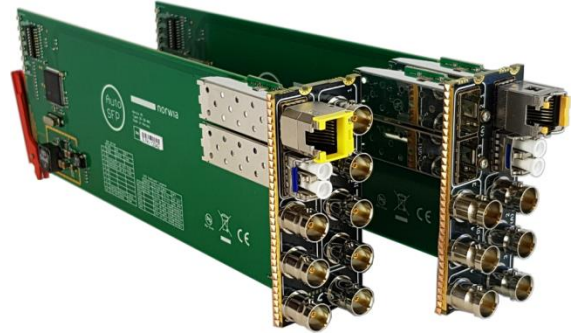


OC-2T-ETH

10G/1G Ethernet, MADI Optical Transponder, Camera Transponder and more

Data Sheet



Description

The OC-2T-ETH module is a SFP transponder card for SFP transceivers types only. This module is typically used for Ethernet Media conversion, Camera transponder or as a MADI Multimode to Single mode transponder. It supports bitrates up to 12Gbit/s. It also enables conversion into CWDM. It has a limited functionality over OC-4B-SDI, but enables a more economical solution to the miniHUB system.

The module can be controlled from the miniHUB WEB control interface (RCONmini).

Features

- Available with 18 CWDM wavelengths
- LEDs show input signal presence
- RCONmini WEB & SNMP control interface
- Optical Power Monitoring
- Backplane compatible to OC-4B-SDI
- Support bit rates up to 12Gbit/s

Part Number Options

| Part Number | Temperature *) |
|-------------|----------------|
| OC-2T-ETH | 0°C to +45°C |
| OC-2T-ETH/E | -40°C to +65°C |

*) Rated temperature for the complete miniHUB.

Absolute Maximum Ratings

Absolute maximum ratings are those values beyond which functional performance is not intended, device reliability is not implied, and damage to the device may occur.

| Parameter | Minimum | Maximum | Unit |
|-------------------------------------|---------|---------|------|
| Storage temperature (non-operating) | -40 | +85 | °C |
| Relative Humidity (non-condensing) | 5 | 95 | % |

General Operating Conditions

| Parameter | |
|---------------------------|---|
| Control | 10 way DIP switch, GPI, WEB |
| LEDs | Card status, Loss of Signal. |
| Operating modes | <ul style="list-style-type: none">- 1310nm or CWDM depending on selected SFP type- For Gigabit Ethernet conversion: Use: ND12-GBE1000 in combination with any ND12-# optical SFP- For MADI Multimode to Single mode: Use: ND01-T1300-R30-MM in combination with any NV30-# transceivers or ND12-C# transceivers- For general transponder functionality: Use: any transceiver RX/TX to RX/TX (CWDM) |
| Number of active channels | 2 |
| Number of SFP slots | 2 |
| Number of active BNC's | 0 |

Transceiver Optical Characteristics

| Parameter | Minimum | Typical | Maximum | Unit |
|----------------------|---------------------------------|---------|---------|------|
| Compatible SFP types | Any Norwia transceiver type SFP | | | |

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