

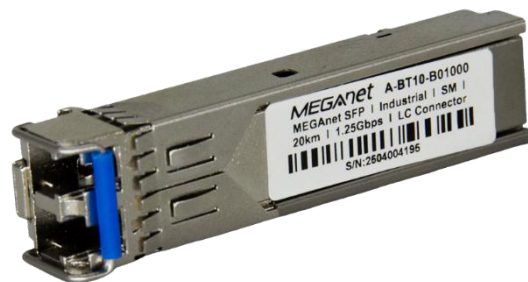


MEGANet Single Mode Gigabit SFP Module I Industrial

The MEGANet Industrial Single Mode Gigabit SFP is a cost-effective, high-performance transceiver compliant with the SFP Multi-Source Agreement (MSA). Supporting data rates up to 1.25Gbps, it combines a 1310nm FP laser transmitter with an InGaAs PIN photodiode receiver to ensure stable, reliable optical-to-electrical signal conversion. Designed with an LC interface, 3.3V power supply, and TTL signal detection, it meets full MSA specifications for seamless integration.

Features

- Industrial rated device
- 1310nm FP laser emission wavelength
- InGaAs PIN photodiode receiver
- Supports data rates up to 1.25Gbps
- Dual LC optical receptacle
- Single 3.3V power supply
- Differential LVPECL input/output interface
- TTL signal detection
- Operating temperature – -40°C to 85°C



Applications

- Fibre Channel communication
- Switch-to-switch or router-to-router uplinks
- Media converter modules
- Industrial telecom optical transmission systems

Standard Compliance

- Small Form-factor Pluggable Multi-Source Agreement (SFP MSA)
 - Compliant with mechanical, electrical, and optical standards to ensure full interoperability with other MSA-compliant devices

Technical Specifications

| Description | Value |
|---------------------|--|
| Form Factor | SFP |
| Data Rate | 1.25Gbps |
| Wavelength | 1310 nm |
| Laser | Fabry-Pérot |
| Optical Power | -9.5 ~ -3 dBm |
| Receiver | InGaAs PIN photodiode with integrated Transimpedance Amplifier I (PIN+TIA) |
| Sensitivity | < -21 dBm |
| Working Temperature | -40°C to 85°C |
| Reach | 20 Km |
| Interface | LC Duplex |

Order Information

| Product Code | Description |
|---------------|--|
| A-BT10-B01000 | MEGANet SFP Module I Industrial I Single Mode I 20km I 1.25Gbps I LC Connector |

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