

### MEGANet Multimode Gigabit SFP Module I Commercial

The MEGANet Commercial Multimode Gigabit SFP Module is a cost-effective, high-performance transceiver compliant with the SFP Multi-Source Agreement (MSA). Supporting data rates up to 1.25Gbps, it integrates an 850nm VCSEL laser transmitter and an InGaAs PIN photodiode receiver to ensure reliable optical-to-electrical conversion. Full MSA compliance guarantees standardized dimensions, interfaces, and optical connections, ensuring seamless interoperability with a wide range of network equipment.

#### Features

- Commercial rated device
- 850nm VCSEL 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 – 0°C to 70°C



#### Applications

- Fibre Channel communication
- Switch-to-switch or router-to-router uplinks
- Media converter modules
- 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	850 nm
Laser	Vertical-Cavity Surface-Emitting (VCSEL)
Optical Power	-9.5 ~ -3 dBm
Receiver	InGaAs PIN photodiode with integrated Transimpedance Amplifier (PIN+TIA)
Sensitivity	< -17 dBm
Working Temperature	0°C to 70°C
Reach	500 m
Interface	LC Duplex

#### Order Information

Product Code	Description
A-BT10-B00850	MEGANet SFP   Commercial   Multimode   500m   1.25Gbps   LC Connector

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