

10 Gigabit Copper SFP+ Transceiver Module

10GBase-T (RJ45) Port, 30 m (98 ft.), up to 10 Gbps Data-Transfer Rate with Cat6a Cabling

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The new line of Intellinet Network Solutions Enhanced Small Form Factor Pluggable (SFP+) Transceivers provides customers with a combination of high-performance and affordability. The metal housing of these transceiver modules reduces electromagnetic interference and increases their durability.

10 Gigabit Ethernet connections via Copper RJ45 Cabling

The Intellinet Network Solutions 10 Gigabit Copper SFP+ Transceiver Module provides an impressive data transfer speed of up to 10 Gigabits per second when using Cat6a (augmented Cat6 cabling with improved specifications). This SFP+ copper transceiver is an extremely versatile and ultra-high performing connection point for your server or workstation.

State-of-the-Art NBASE-T™ Technology

With full support of the IEEE 802.3bz standard, the Intellinet Network Solutions 10 Gigabit Copper SFP+ Transceiver Module supports Gigabit speeds using Cat6 and Cat5e network cabling. The former transfers and receives data at up to 5 Gbps whereas the latter still manages an impressive 2.5 Gbps.

Compatibility

Compatibility in your network is essential. The Intellinet Network Solutions SFP+ Transceiver Module can be used with any Intellinet Network Solutions SFP+ equipped network switch or any other MSA-compliant (multi-source agreement) SFP+ enabled switch. And since the Intellinet Network Solutions SFP+ transceiver module is set to broadcast the part number MA-SFP-10G-T, compatibility to your Cisco gear is provided.

Hot-Pluggable

The Intellinet Network Solutions 10 Gigabit Copper SFP+ Optical Transceiver Module is fully hot-pluggable, allowing you to install the module without rebooting your network switch for uninterrupted network traffic.

Features:

- Provides cost-effective and reliable 10 Gigabit Ethernet connections over copper
- Up to 10 Gbps data-transfer rate with Cat6a network cable
- Up to 5 Gbps with Cat6 and 2.5 Gbps with Cat5e network cable
- Adds a 10 Gigabit Ethernet copper connection to a network switch or media converter that supports SFP+ transceivers
- RJ45 port with Auto MDI/MDI-X support
- Equivalent to the Cisco MA-SFP-10G-T transceiver
- Fits any Intellinet Gigabit Ethernet switch with SFP+ module slots or any MSA-compliant SFP+ port
- Compliant with the SFP Multi-Source Agreement (MSA)
- Maximum transfer distance of 30 m (98 ft.) at 10 Gbps over Cat6a network cable
- Maximum transfer distance of 50 m (164 ft.) at 5 Gbps over Cat6 cable and at 2.5 Gbps over Cat5e cable

For more information on Intellinet products, consult your local dealer or visit www.intelllinet-network.com.
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- Maximum transfer distance of 100 m (328 ft.) at 100 Mbps over Cat5e network cable
- Low EMI due to fully metallic housing
- SFP+ standard form factor
- Supports hot-plugging
- Fully NDAA-compliant
- Three-Year Warranty

Specifications:

Standards
• IEEE 802.3ab (1000Base-T Gigabit Ethernet)
• IEEE 802.3an (10 Gigabit Ethernet over Cat6a Twisted-pair Copper)
• IEEE 802.3bz (2.5 Gbps over Cat5, 5 Gbps over Cat6 Twisted-pair Copper)

General
• Media support:
  - 1000Base-T Cat5e or higher UTP/STP RJ45
  - 2.5GBASE-T Cat5e or higher UTP/STP RJ45
  - 5GBASE-T Cat6 or higher UTP/STP RJ45
  - 10GBASE-T Cat6a or higher UTP/STP RJ45
• Connector: RJ45 SFP port
• Distance: 30 m (98 ft.) at 10 Gbps over Cat6a
• Design: SFP+ (enhanced small form-factor pluggable)
• Certifications: FCC Class A, CE Mark, IEC-60825, RoHS, NDAA

Compatible Brands
• Cisco, Intellinet Network Solutions, ZyXEL, Linksys, TP-Link, Ubiquiti, D-Link, Edimax, Allnet, Allied Telesis, Digitus, KTI Networks, LevelOne, PLANET, Tenda, TRENDnet, ZTE, Avaya, Mikrotik, Enterasys, Finisar, Dell Force10, Riverstone, Fortinet and more

Power
• Power requirement: 3.3 V
• Power consumption: 3.0 W (maximum)

Environmental
• Dimensions: 68 (L) x 13.7 (W) x 13.6 (H) [mm] / 2.68 (L) x 0.54 (W) x 0.54 (H) [in]
• Weight: 25 g (0.9 oz.)
• Operating temperature: 0 – 60°C (32 – 140°F)
• Storage temperature: -40 – 85°C (-40 – 185°F)
• Operating humidity: 5 – 95% RH, non-condensing

Package Contents
• 10 Gigabit Copper SFP+ Transceiver Module



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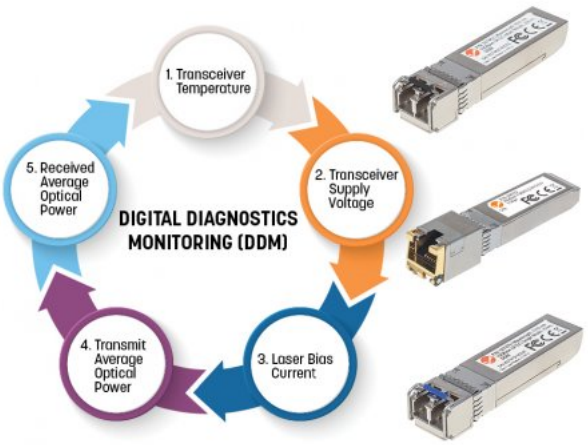

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