



# 10G SFP+ Modules

NS-10GLC-SR-MM-D / NS-10G-RJ45  
NS-B1213-10GLC-20D / NS-B1312-10GLC-20D

The Netsys 10G SFP+ Series Transceiver Modules are MSA-compliant, hot-pluggable solutions designed to upgrade networking appliances to 10Gbps line rates. Offering ultimate deployment flexibility, the series includes Multi-Mode Fiber (SR) for distances up to 300m/500m, Single-Mode BiDi Fiber utilizing a single LC connector for cost-effective 20km long-range transmission, and a Copper RJ45 module that extends 10GBASE-T up to 30m over existing Cat 6a/7 cabling. Featuring an all-metal housing for superior EMI performance, low power consumption, and built-in Digital Diagnostic Monitoring (DDM), this series ensures maximum network reliability and efficiency.

## NS-10GLC-SR-MM-D



## Features

- Data rate up to 11.3Gbps
- Optical interface compliant to IEEE 802.3ae
- Electrical interface compliant to SFF-8431
- Hot-Pluggable
- 850nm VCSEL transmitter, PIN photo-detector
- Maximum link length of 300m on OM3 MMF
- Maximum link length of 500M on 4700MHz/km MMF
- Temperature Range: Commercial : 0°C ~70°C
- Low power consumption
- All-metal housing for superior EMI performance
- RoHS compliance

## NS-10G-RJ45



- Up to 10Gb/s bi-directional data links
- Hot-pluggable SFP+ footprint
- Fully metallic enclosure for low EMI
- Low power dissipation
- Compact RJ-45 connector assembly
- Access to physical layer IC via 2-wire serial bus
- Supports Links up to 30m using Cat 6a/7 Cable
- RoHS compliance
- Operating case temperature: 0°C to 70°C

## NS-B1213-10GLC-20D



- Support data rate up to 11.3Gb/s
- Hot-Pluggable SFP Footprint and Single LC Connector
- Up to 20km reach for G.652 SMF
- 1270nm DFB Transmitter and 1330nm PIN receiver for NS-B1213-10GLC-20D
- 1330nm DFB Transmitter and 1270nm PIN receiver for NS-B1312-10GLC-20D
- Temperature Range: Commercial: 0°C ~70°C  
Industrial: -40°C ~85°C

## NS-B1312-10GLC-20D



- Power consumption <1W
- Compliant with SFF-8431
- Compliant with SFF-8432
- Compliant with SFF-8472
- Compliant with IEEE802.3ae
- RoHS compliance

