

# NoviConnect™ 519 10G SFP+ CU Transceiver

**NoviConnect 519 10G Copper Transceiver.** This Industry Standard 10GBase-CU SFP+ transceiver supports 10 Gbps over copper cable and links up to 30m using Cat 6a/7 cable, is certified for optimal performance with NoviFlow switching products, and is fully compliant with MSA (Multi-Source Agreement) standards. All NoviConnect products from NoviFlow are 100% functionally tested to ensure trouble-free installation and operation when used with NoviFlow's NoviSwitch network products.

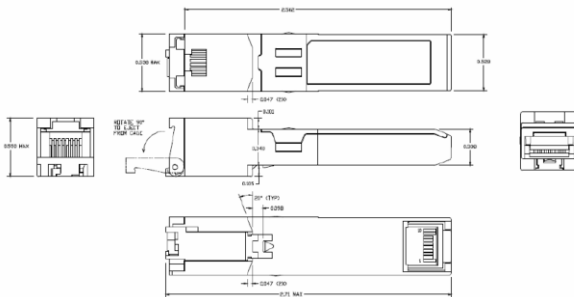


NoviConnect Transceivers are factory programmed with specific configuration data required for seamless networking compliance and for optimal network performance when used with NoviFlow switching products. These transceivers can be mixed and connected to devices with MSA industry standard compliant transceivers, for outstanding network performance.

**NoviFlow Inc.™** aims to change the traditional approach to networking by making switching smarter. The company was founded to deliver upon the promise of SDN. Our SDN data plane products combine the benefits of virtualization and programmability with network processors that can handle complex flows, making it possible for data center and network operators to keep up with today's exponentially growing networking demand. In order to ensure the highest levels of network performance, seamless compatibility and trouble-free upgrades with our NoviSwitch products, NoviFlow offers a complete line of high-performance and cost-effective SFP transceiver modules.

## PRODUCT DESCRIPTION

The NoviConnect 519 10G SFP+ CU Transceiver (10 Gbps over copper cable) is a high performance, integrated duplex data link for bi-directional communication over copper cable. It is specifically designed for high speed communication links that require 10 Gigabit Ethernet over Cat 6a/7 cable. This is the first SFP+ transceiver that offers 10 Gb/s communication over this type of media. with address of A0h via the 2wire serial CMOS EEPROM protocol. The physical IC can also be accessed via 2wire serial bus at address ACh.



## KEY FEATURES:

- Supports Links up to 30m using Cat 6a/7 Cable
- SFF-8431 and SFF-8432 MSA Compliant
- IEEE 802.3az Compliant
- Low Power Consumption (2.5W Max @ 30m)
- Fast Retrain EMI Cancellation Algorithm
- Low EMI Emissions
- I2C 2-Wire Interface for Serial ID and PHY Register Access
- Auto-negotiates with other 10GBase-T PHYs
- Supports 100/1000Base-T using Cat 5e cable or better
- MDI/MDIX Crossover
- Multiple Loopback Modes for Testing and Troubleshooting
- Built-in Cable Monitoring and Link Diagnostic Feature
  - Cable Length Measurements
  - Opens/Shorts
- Robust Die Cast Housing
- Bail Latch Style ejector mechanism
- Unshielded and Shielded cable support

**ORDERING INFORMATION**

**MODEL NUMBER 400000519**

FOR MORE INFORMATION



[www.noviflow.com](http://www.noviflow.com)



[contact@noviflow.com](mailto:contact@noviflow.com)

NOTE: All information presented in this document is provided as is WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, and is subject to change without notice. Copyright © 2019, NoviFlow Inc.