

# OCTIS™

Outdoor Connector Transceiver Inside System

## Multi-standard outdoor solution

Specifically designed to address the interconnect challenges associated with the deployment of 4G+, LTE+ and future 5G in the Telecom market, OCTIS™ provides a robust I/O solution that can operate in outdoor and harsh environments.



OCTIS™ is the perfect solution for outdoor small cell and next generation RRU/RRH projects that support broadband Ethernet and outdoor microwave network units.

This compact solution can support new environmental constraints for miniaturization and offers sustainability with the following innovative characteristics:

- SFP/SFP+ transceivers integrated into the OCTIS™ Plug Kit for space saving and heat dissipation management optimization
- Lightning and EMI protection
- Connector keying and color coding to prevent improper connection

OCTIS™ is a multi-standard solution that can accommodate a variety of configurations in the same mechanical interface, including:

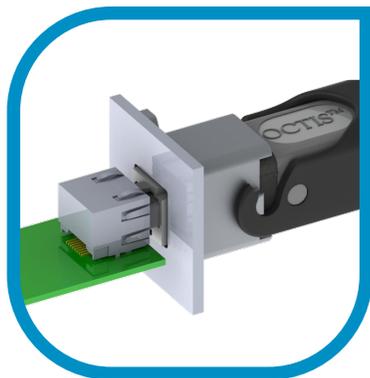
- SFP/SFP+ transceiver integration (with duplex LC cabling)
- RJ45 (for cat5e or cat6 Ethernet signal)
- Power supply (AC/DC)
- High data rate signal, POE+
- Hybrid of power and signal

Note: other configurations are under development, please contact a representative for additional information.

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**OCTIS™ is a compact high data rate solution that enables telecom OEMs to reduce equipment size, without compromising installation time.**



Featuring a secondary locking button on the push-pull lever system, OCTIS™ provides a secure and reliable connection. This lightweight solution is perfectly suited for field installation in blind mate conditions and features a unique mechanical color coding system which helps reduce overall installation time.

**Performance:**

- 100 mating cycles
- Up to 200N cable tensile load
- IP67 sealing protection
- 720H Salt Spray + SO<sub>2</sub> (IEC 21207 method B)
- Temperature range -40°C to +85°C

**Features & Benefits**

- *Small form factor: length to panel < 100mm*
- *High density: pitch 26mm*
- *SFP/SFP+ transceiver inside plug with optimized heat dissipation*
- *EMI shielding*
- *Lightning protection: up to 15 KAmps*
- *Field installable and blind mate*
- *Secured connection with locking feature*
- *Rugged composite material for corrosion resistance to salt spray and pollutant gases in urban environments*
- *Compliant with IEC and GR Telcordia international standards*
- *RoHS compliant*

**Applications**

- *4G+, LTE+, 5G*
- *Smart radios, RRU/RRH, small cells, macro-cells*
- *Broadband microwave links*
- *Cellular wireless communication systems*
- *Distributed Antenna Systems (DAS)*
- *Smart grid networks*