

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:

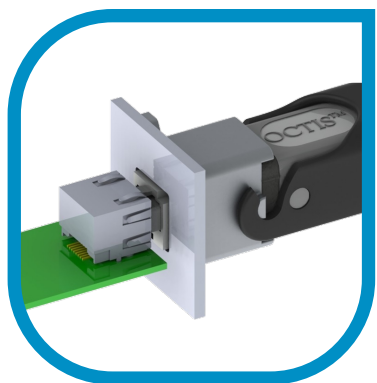
- SFP/SFP+ transceiver integration (with duplex LC cabling)
- RJ45 (for cat5e or cat6 Ethernet signal)
- Power supply (AC/DC)
- High data rate signal, POE+
- Hybrid of power and signal

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 + SO₂ (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