



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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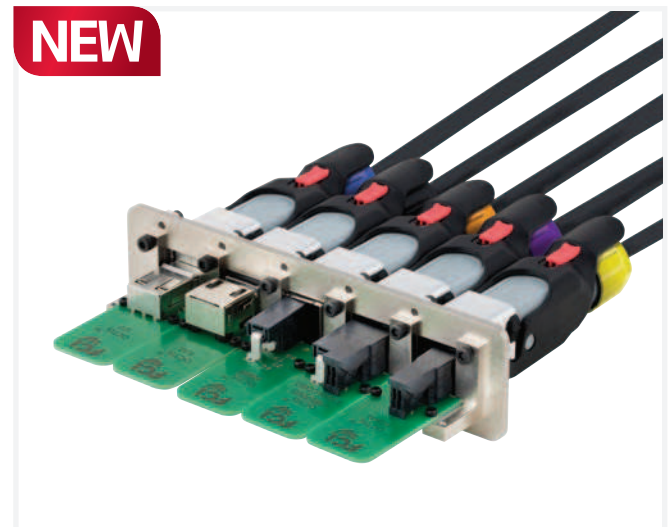
OCTIS™ Outdoor I/O System

Right angle board connector, cable connector kit and cable assembly

ROBUST I/O FOR HIGH RELIABILITY AND PERFORMANCE

The versatile OCTIS™ I/O system, using multiple industry standard interfaces, features high speed signal and power, lightning protection, EMI shielding, and ease of installation for outdoor, compact and harsh environments.

- Transceiver moves outside the box, saving board space and providing better thermal management
- Lightning protection, EMI shielding features, and a rugged weather proof design makes it ideal for use in harsh environment applications
- Blind mate, float mount, color and physical coding features makes it easy to use and avoids incorrect mating
- Plug assembly options: Field installable or factory certified cable assembly
- Use of standard small form factor interfaces enable greater port to port density. This makes it ideal for outdoor applications like small cells, macro cells, smart radios and RRU/RRH.



TARGET MARKETS



FEATURES






- Outdoor weather proof
- Rugged design
- Multi standard and varying interconnection interface
- Adaptable interface holder and outer housing
- Color coding on gland nuts
- System addresses present and future signal and power requirements with option for additional connector interfaces
- 26mm pitch and <100mm length from panel
- Double locking feature

BENEFITS

- Suitable for most demanding environments. Lightning protection up to 15K Amps
- 100 mating cycles, 200N tensile load; suitable for sophisticated equipment used in modern telecom and industrial markets
- Suitable for various applications with standard connector interfaces like SFP/SFP+, Signal, PoE (Power over Ethernet), Power, Hybrid of Signal & Power and RJ45.
- Cable mounting, mating and locking remain the same regardless of interface used
- Visual identification of cable assembly type
- Upgrade option to higher data rate up to 10G & 25G per lane bandwidth and 35A+ per contact
- High density and small form factor
- Tamper proof

OCTIS™ is a trademark of Radiall. OCTIS™ is a joint product development between FCI and Radiall.

TECHNICAL INFORMATION

Connector Interface		SFP/SFP+	RJ45	Signal/PoE Metral® HDXS	Power – Pwr Profile®	Hybrid – Signal & Power
						
Dimensions		94 x 26 x 27mm (Length x Width x Height)				
Connector Interface Feature		Interoperable with all types of SFP/SFP+ ports and suitable for high data rate applications over long lengths	Commonly available interface	Meets requirements of PoE++, CAT 5e and ANSI for resistivity to over voltages up to 2500V. Current rating at 1.5A per pin and available in 8 position (4 pair) and 12 positions	High power application with current rating at 16A to 20A/power contact and available with 2,3 & 4 positions	Signal and power application
Key Electrical Performance		• Power Supply Voltage: 3.3V • Power Consumption: 0.25W (typ.)	Current Rating: 1A	Current rating 1.5A/pin	Current Rating: 16A to 20A/power contact	Current rating 1.5A/pin or Cat5e
Key Environmental Performance		IP67, 720 hours salt spray resistance; Operating Temperature Range : -55°C to +85°C				
Mating Force		–	22N max.	0.75N max./contact	29N max./contact	• 0.75N max./signal contact • 29N max./power contact
Unmating Force		–	9.8N	0.15N min./contact	4N min./contact	• 0.15N min. for signal • 4N min. for power
Target Markets & Applications		• Fiber to the Antenna (FTTA) • 4G+, LTE+, 5G • Smart Radio, RRU/RRH • Broadband • Cellular Wireless Communication System • Distributed Antenna System (DAS) • Smart Grid Network • Small Cells • Portable Outdoor Device				
Board Connector	P/N	SFP board (Edge) connector: 10122424-101LF Cage for connectors: • 10133694-101LF (PIP) • 10133694-102LF (Pressfit)	• RJESE-8480-31 (Tab up) • RJLSE-1NS-00001 (Tab down)	10133085-101LF	• 2 pos: 10133084-101LF • 3 pos: 10137559-102LF • 4 pos: 10137559-101LF	10131868-101LF
	Description	Suitable for all SFP/SFP+ connectors	RJ45 socket has mating compatibility with standard RJ45 cable assemblies	Metral® HDXS board connector with 4 pair or 8 signal contacts	Power board connector with 2,3 & 4 contacts	Hybrid connector with 8 signal and 2 power contacts
Plug Kit	P/N (26mm pitch)	10135746-101LF	• 10135742-101LF for tab up version • 10143848-102LF for tab down version • 10143848-101LF for tab down reverse lever	10135750-101LF	• 2 pos: 10135752-101LF • 3 Pos: 10139481-102LF • 4 Pos: 10139481-101LF	10135748-101LF
	Description	OCTIS™ plug kit without SFP connector	OCTIS™ plug kit without RJ45 connector	OCTIS™ plug kit with 4 pair or 8 position signal connector	OCTIS™ plug kit with 2, 3 or 4 position power contacts connector	OCTIS™ plug kit with hybrid of 8 position signal and 2 position power
Finished Cable Assembly	P/N (Standard/custom lengths, Double/open ended type)	10137109	10137111	10137115	10137117	10137118

HYBRID – SIGNAL & POWER CABLE CONNECTOR KIT

