

CL-MCSFP-16 Installation Guide

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CL-MCSFP-16 is a plug-and-play media converter hub with sixteen TX-SFP pairs. TX ports supports 100/1000Mbps, full duplex mode. SFP port supports 100Mbps or 1000Mbps SFP module. CL-MCSFP-16 will auto-detect link speed on SFP port, and set TX port to the same operation mode. If SFP port link down, TX port will also force to link down.

Installation

1. Connect AC/DC power to CL-MCSFP-16. "Power" LED will be ON.
2. Insert SFP module.
3. Connect cable to SFP module. The "Link/Speed/Act" LED of the port will be ON if another side of the cable is connected and ready for link up.
4. Connect cable to TX port of the TX-SFP pair. The "Link/Speed/Act" LED of the port will be ON if the following conditions are ready.
 1. another side of the cable is connected and ready for link up.
 2. SFP port is already link up. (*SFP port must link up first before TX port link up.)
 3. TX port is link up at *the same speed of SFP port*. (*Connecting to Gigabit Ethernet port will be link up at 1000Mbps or 100Mbps - depending on SFP port link up speed. Connecting to Fast Ethernet port will be link up at 100Mbps only.)
5. Check "Link/Speed/Act" LED of TX and SFP ports. They should be ON and have the same color (*Green* for 1000Mbps, *Yellow* for 100Mbps). Then, the TX-SFP pair is ready to work.
6. Repeat *Step 2 ~ 5* for another TX-SFP pair installation.

LED Indication

LED	Status	Description
Power	ON	The device is power ON.
	OFF	The device is power OFF.
Link/Speed/Act	ON-Green	The port is link as 1000Mbps speed.
	ON-Yellow	The port is link as 100Mbps speed.
	Flash-Green	Send/Receive data in 1000Mbps.
	Flash-Yellow	Send/Receive data in 100Mbps.
	OFF	The port is link down.

Troubleshooting Guide

- ✓ **Power LED is OFF**
 1. Check the power connection.

- ✓ **SFP port LED is OFF**
 1. SFP module is inserted correctly.
 2. Check the cable connection and link status at both sides of cable. The connection of another side of cable should be ready for link up.
 3. Operation mode at both sides should be the same - 1000Mbps or 100Mbps, Single Mode or Multi Mode, and Tx/Rx is plugged correctly.

- ✓ **TX port LED is OFF**
 1. Check the cable connection and link status at both sides of cable. The connection of another side of cable should be ready for link up.
 2. SFP port must be link up first.
 3. Check the connecting Ethernet port. Fast Ethernet port supports 100Mbps only. If SFP port is link up at 1000Mbps (*"Link/Speed/Act"* LED is in *Green* color), change the connecting Ethernet port to Gigabit Ethernet port.

- ✓ **Traffic is blocked when both SFP and TX LEDs are ON**
 1. Check the configuration/status of the connecting network devices. The traffic could be blocked by the configuration/status of the connecting network devices, e.g. VLAN setting, port-disable because of loopback or storm-control,