

## 100G Optical Demarcation Device (ODD)

## MINI-DEV-ODD-100G

### Product Description

The HUBER+SUHNER CUBO mini 100G ODD is a compact, stand-alone optical demarcation device for 100G. It is specifically designed to solve a multitude of challenges.

The CUBO mini is the first device to take advantage of the wide variety of 100G QSFP28 transceivers covering different distances up to 80km. It has two QSFP28 slots implementing a layer 1 optical conversion between the two slots. This approach not only makes the setup simple “plug & play” but also enables full transparency of all higher levels at the lowest possible latency. The CUBO mini 100G ODD also supports OTU4 as well as 40G.

The CUBO mini 100G ODD is clearly labeled to make the operation as simple and intuitive as possible. Multiple LEDs provide easy state monitoring.



### Applications

- Multi-rate service connection (100GE/OTU4/40GE)
- QSFP28 interface conversion
- Reach extension (repeater)
- QSFP28 power class converter
- 100G Demarcation

### Features<sup>1</sup>

- Stand-alone module with 2x QSFP28 MSA port
- Support for MSA compliant transceiver<sup>2</sup>
- QSFP28 ports support up to 8W power consumption (ideal for high power QSFP28)
- Low latency layer 1 “conversion” between the QSFP28 ports
- Transparent for all higher levels
- Supports OTU4 (4x 28G)
- Supports 40GE MSA compliant QSFP transceiver
- Port Loopback for both QSFP28 ports
- Port Deactivation for each QSFP28 port
- Self-install and “Plug & Play” operation
- Small size 12 x 16 cm (w x d) 1RU height
- Fully redundant active cooling
- In-service replaceable fans
- Intuitive WebGUI monitoring and control interface
- RADIUS support
- SNMPv2 remote protocol

### Revision History

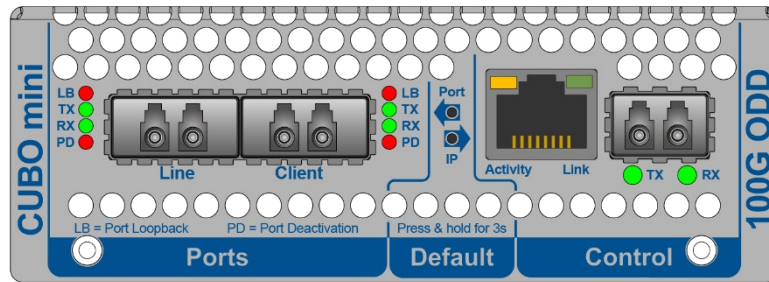
No	Description	Date	Created by
B	Official release	22.07.21	James F. Merchant

<sup>1</sup> Subject to update and revision

<sup>2</sup> List of compatibility is constantly updated. Contact us for more details.

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### Technical Specification<sup>1</sup>

<b>Interfaces</b>	2x QSFP28	Support MSA compatible QSFP28 LED Status indication per QSFP28 slot Support up to 8W (10W total for both ports)
	1x SFP (Management Port)	Supports MSA compatible SFP up to 1Gbit LED Status indication
	1x RJ45 (Service Port)	10/100 Mbit
<b>Control &amp; Management</b>	Local	1x Push Button to Set Default of QSFP28 Ports 1x Push Button to Set Default of IP settings
	Remote	WebUI for Monitoring and Control SNMP
	User Management	Configurable as RADIUS client
<b>Power</b>	Coaxial Power Connector	12VDC/5A
<b>Physical</b>	Dimensions	Width: 124mm (4.88'') Depth: 164mm (6.46'') – excluding QSFP28 and SFP Height: 43mm (1.7'')
	Weight	847g (1,87lbs.) – excluding QSFP28 and SFP
<b>Ambient</b>	Operation	0° to +55°C (+32° to +131°F) non-condensing
	Storage	-30° to +70°C (-22° to 158°F) non-condensing

### Order Details<sup>3</sup>

<b>CUBO mini 100G ODD</b>	MINI-DEV-ODD-100G
<b>Power Brick Power Supply</b> (not included with CUBO mini 100G ODD) <sup>4</sup>	MINI-PSU-AC60-PB

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<sup>3</sup> QSFP28 variants available at H+S Cube Optics. Contact us for details and order codes

<sup>4</sup> Please refer to separate power supply data sheet for detailed information.