



# DATA SHEET

## GPON

### GPON OLT

#### 1RU, 8 x GPON SFP Slots

##### Overview

The C-COR range of GPON OLTs are high performance 1RU GPON OLT solutions offering economical PON networking via 8 SFP ports utilising familiar PON connectivity.

Each of the 8 GPON SFP ports support a maximum PON split of 128 on each port giving a maximum 1,024 split across the OLT.

The OLTs feature dual power feed options with intelligent fan management for efficient cooling.

Front Panel LEDs indicate Power, Optical link status and Ethernet activity on each port.

The C-COR OLT units are easy to install and operate with front port access and system configuration via Web, SNMP or Command Line Interface.

Extensive layer 2 / 3 switching and routing is offered with support for 4,096 VLANs, 16/32 K MAC, QinQ, tagging, LACP, QOS, ACL, Port Isolation\*, IEEE802.x flow control, IGMP snooping, 256/2,048 IP multicast, DHCP, ARP proxy and static and dynamic routing.

##### Dimensions and Weight

Dimensions (H x W x D) (mm)	43.6 x 442 x 320
Weight (kg)	4.05

##### Features

- 8 PON Port SFP Capability
- Dual 10GE SFP+ Uplink Port
- 20Km Transmission Distance
- Up to 128 Split per PON
- 45W Power Consumption
- 19", 1 RU Rackmount Housing
- Web, CLI & SNMP Support
- 0°C To +50°C Operation
- 4kV Surge Protection
- Remote Management
- Alarm Configuration and Log
- Dual Powering Option
- Status LEDs
- Layer 2/3 Switching Functions





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### Australia Office

4/195 Chesterville Road  
Moorabbin, VIC 3189  
Australia

T. +61 3 9241 8900  
E. sales@c-cor.com.au  
www.c-cor.com.au

### Physical Specification

Item	Parameter	Value
Uplink	RJ45 1GE	4
	SFP Slot (1Gb/s)	2
	SFP+ Slot (10Gb/s)	2
GPON	SFP Slot (GPON)	8
	SFP Type*	Class C++/ C+++
	Max. Split Ratio	1:128
	Connector	SC/UPC
	Fibre Type	9/125µm SMF
	Standard	ITU984.x
Management Ports		1*GE, 1*Console, 1*USB2.0
Isolation Level		@PON
MAC Addresses		32 K
IP Multicast Addresses		2,048

Note:

\* C++ SFPs are typically offered as standard.

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Due to ongoing product development, technical specifications are subject to without notice



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### PON Port Optical Specification

Parameter		Value
Transmission Distance (km)		20
GPON Rate (Gbps)	Downstream	2.488
	Upstream	1.244
Wavelength (nm)	TX	1490
	RX	1310
Optical Transmit Power (dBm)		+4.5~+10
Optical Receiver Sensitivity (dBm)		≤ -30
Saturation Optical Power (dBm)		-12

### Environment Specification

Parameter		Value
Operating Voltage/ Frequency	AC	100 ~ 240V @ 47 ~ 63 Hz
	DC	-48V
Power Supply		Dual Hot Swappable
Power Consumption (W)		45
Operating Temperature (°C)		0 ~ 50
Relative Humidity (%)		5 ~ 90 (non-condensing)

### Ordering Information

P/N	Description
CGP8OLT-B	GPON OT 8xSFP PON Slots, 8 Uplink Slots

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Contact your local sales representative for product availability in your area and for other interface and option requirements.