

# SFP Media Converter / Repeater (ConRep CR600)

## > scalable, modular, managed

### Overview

The ConRep series is a simple and very flexible unit that combines protocol transparent connectivity with support for SFP optical transceivers. The design of the ConRep makes it easy to implement a wide range of signal boosting and media conversions all in a small and compact shell including two separate power supplies.

### Features

#### ConRep CR600



2U Chassis Rack Type

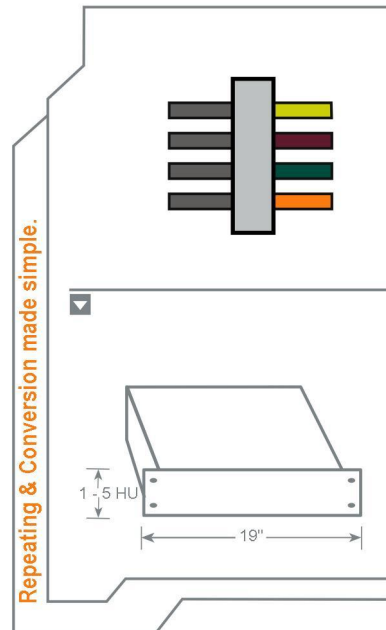
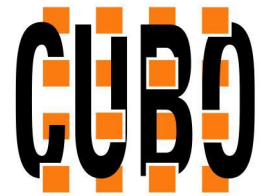
- 2U high, 19 (or 23) inch Chassis with convertible standalone units, Chassis accommodates up to 6 units.
- Chassis with redundant AC/DC power, cooling FAN included.
- Once the line card is installed, it is hot-swappable to avoid any other network downtime. Also, the power does not have to be off when inserting another line card.
- Supports an auto recovery function, the system can restore all functions back to normal working status when the power or the connections is resumed.
- SNMP management
- TFTP firmware upgrade
- Alarm Relay contacts

### Applications

- All optical communication systems like: Gigabit Ethernet, SDH, ATM, ESCON, Fibre Channel and CATV

### Specifications

Parameters	ConRep CR600
Slot	(6) slots in front for slide-in-module (2) slots in front for power supply module
Power	AC Power Module 90 ~ 264 VAC; Frequency: 47 ~ 63 Hz DC Power Module -18 ~ -56 VDC; 12V, 8.5A or -36 ~ -72 VDC Power consumption: 25 W
Environment	Temperature: 0 ~ 50 °C (Operating) -20 ~ 70 °C (Storage) Humidity: 20-80% non condensing (Operating) 10-90% (Storage)
Dimensions	440mm x 260mm x 89mm (WxDxH)
Shipping Weight	4.8 kg (Not including any line-cards)
Compliance	FCC part 15 class A, CE Mark



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## Line Cards

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### SNMP Cards

Communicates with single or multiple chassis's control card via RS-485 serial protocol.

- Management control to Mux/Demux card, Protection card & Transponder Card.
- SNMP v1 Trap, MIB file.
- 3 x 10/100M UTP ports.
- 2 x 100 FX (SFP) ports.
- Supports Telnet access control.
- Real-time Clock feature.
- TFTP SNMP F/W upgradeable.
- Supports web browser control feature (2nd stage).



### Specifications

Power	DC 12 V, 1.2A Power consumption: 10 W	
Environment	Temperature:	0 ~ 50 °C (Operating) -20 ~ 70 °C (Storage)
	Humidity:	20-80% non condensing (Operating) 10-90% (Storage)
Dimensions	162mm x 220mm x 25mm (WxDxH)	
Shipping Weight	0.9 kg	
Compliance	FCC part 15 class A, CE Mark	

### Transponder Cards

The Transponder Cards may be used to convert 2 channels or to extend 2 channels. Each transponder card provides 2 client SFP slots and 2 Line SFP slots.

- Use Small Form Factor Pluggable (SFP) transceivers.
- Data rate independent from 155 Mb/s ~ 2,67 Gb/s
- Client input - 850 nm, 1310 nm and 1550 nm
- Line output multirate SFP 155 Mb/s ~ 2,67 Gb/s
- Unamplified extension up to 80 km



### Protection Cards

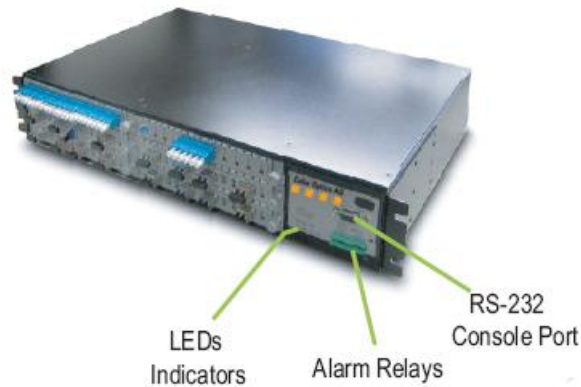
The protection card provides redundant fiber protection with automatic fall back to second fiber cable in case of primary failure.

- 1 + 1 full optic protection
- Wide operation wavelength
- Fast switch speed
- Low insertion loss
- Low channel cross talk
- Highly reliable and stable
- Low power consumption



### Specifications

Power	DC 12 V, 1.2A Power consumption: 1ch 5W; 2 ch 10W	
Environment	Temperature:	0 ~ 50 °C (Operating) -20 ~ 70 °C (Storage)
	Humidity:	20-80% non condensing (Operating) 10-90% (Storage)
Dimensions	162mm x 220mm x 25mm (WxDxH)	
Shipping Weight	0.9 kg	
Compliance	FCC part 15 class A, CE Mark	




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## Ordering Information

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Indicate your requirements by selecting one option from each configuration table. Please write the corresponding codes in the available boxes to form your part number. For more information on this or other products and their availability, please contact Cube Optics AG at +49-6131-69851-0 or via e.mail at sales@cubeoptics.com, or visit our website at www.cubeoptics.com.

### ■ Main Chassis

CR06-9021 19" 2U 6 slots Chassis

### ■ Power

CR06-9110 AC power supply (90 to 264 VAC)  
 CR06-9120 DC power supply (+/-18 to +/-56 VDC)  
 CR06-9121 DC power supply (+/-36 to +/-72 VDC)

### ■ SNMP

CR06-9210 SNMP card

### ■ Transponder Line Cards for ConRep600

CR00-8011 1.25 Gbps Transponder card (without SFP Fiber Transceiver), 1 channel  
 CR00-8012 1.25 Gbps Transponder card (without SFP Fiber Transceiver), 2 channels  
 CR00-8021 2.5 Gbps Transponder (without SFP Fiber Transceiver), 1 channel  
 CR00-8022 2.5 Gbps Transponder (without SFP Fiber Transceiver), 2 channels

### ■ Optical Line protection for ConRep600

CR00-8210 optical line protection