

ConRep Ethernet Network Interface Linecard

>CR-DLXX05S1T1-0



Overview

- The CR-DLXX05S1T1-0 is a manageable Ethernet network interface linecard to fit the emerging deployment needs of optical networks.
- The CR-DLXX05S1T1-0 is to be plugged to the CR-DCCH16 chassis.
- The CR-DLXX05S1T1-0 connects electrical Ethernet-based networks to optical networks easily and cost effectively.
- The CR-DLXX05S1T1-0 can be used in combination with the CR-DCXX05S1T1-0 as remote demarcation device.
- Management via SNMP or web interface.

Applications

- Media conversion (10/100/1000Base-T to 1000Base-X or 10/100Base-T to 100Base-FX).
- Can be combined with wavelength division multiplexing.
- Demarcation.



Maintenance levels

- Complies with IEEE 802.3 ah OAM standard.

Features

- Complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-T, IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-X (CR-DC1005S1T1-0).
- One 10/100/1000Base-T port (CR-DC1005S1T1-0) resp. 10/100Base-T port (CR-DC0105S1T1-0).
- 1000Base-X SFP port (CR-DC1005S1T1-0) resp. 100Base-FX SFP port (CR-DC0105S1T1-0).
- Store and forward switching mechanism.
- Auto crossover for MDI/MDIX in TP port.
- Auto negotiation in TP port.
- Supports Power/FDX/FX and TP link activity/FDX/TP speed/status/LED.
- Supports 128kb packet buffer
- Supports 4k MAC addresses
- Supports jumbo frame up to 9728 bytes.
- Complies with IEEE 802.1p Priority.
- Supports QoS Classification based on TOS.
- Supports Q-in-Q VLAN tunneling.
- Supports bandwidth control.
- To be plugged to CR-DCCH16 chassis.
- Manageable via CR-DCCH16 chassis module management.

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- Local port management function:
 - State monitor – model/media/link/speed/duplex/activity
 - Enhanced port monitor – Traffic counter/jitter and latency measurement
 - Port configuration – auto/speed/duplex/flow control/bandwidth control/broadcast storm
- Remote port management function:
 - State monitor – model/media/link/speed/duplex/activity/power
 - Port configuration – auto/speed/duplex/flow control
- Supports in-band module F/W upgrade.

Technical Specifications

Optical Interface	Interface Type	SFP
	Data Rate	1250Mbps
Electrical Interface	Connector	RJ45
	Data rate	10Mbps, 100Mbps, 1000Mbps (only CR-DL1005S1T1)
Standards		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab (only CR-DL1005S1T1), IEEE 802.3z (only CR-DL1005S1T1), IEEE 802.1p, IEEE 802.1q, IEEE 802.3ah
LEDs		Power, status, link, speed
Product Spec	Jumbo Frame Size	9728k
	MAC address table	4k
	Memory buffer	128k
Power		Voltage requirement: DC 12V Power Consumption: 6W
Environment	Temperature	0° – 50°C (Operating) -20° – 60°C (Storage)
	Humidity	5% – 90% non condensing
Power Consumption		6W
Dimensions(WxDxH)		8.6x22.4x192mm
Shipping Weight		0.3kg
Certification		CE, FCC Class A

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Ordering Information

Order Code:

CR-DL1005S1T1-	10/100/1000Base-T to 1000Base-X Ethernet Network Interface Linecard
CR-DL0105S1T1-	10/100Base-T to 100Base-FX Ethernet Network Interface Linecard

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