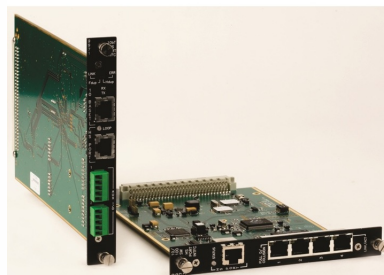


Features

- Converts a 10Mb Ethernet signal to the high-speed port format
- Adds 10Mb Ethernet connectivity between a pair of fiber video or data transmission cards
- 1 duplex high-speed (HS) port available
- 2 user-configurable data port
- 9000 series rack-mount cards
- 9900 series Network Management System (NMS) compatible



9971-C, 9973-C

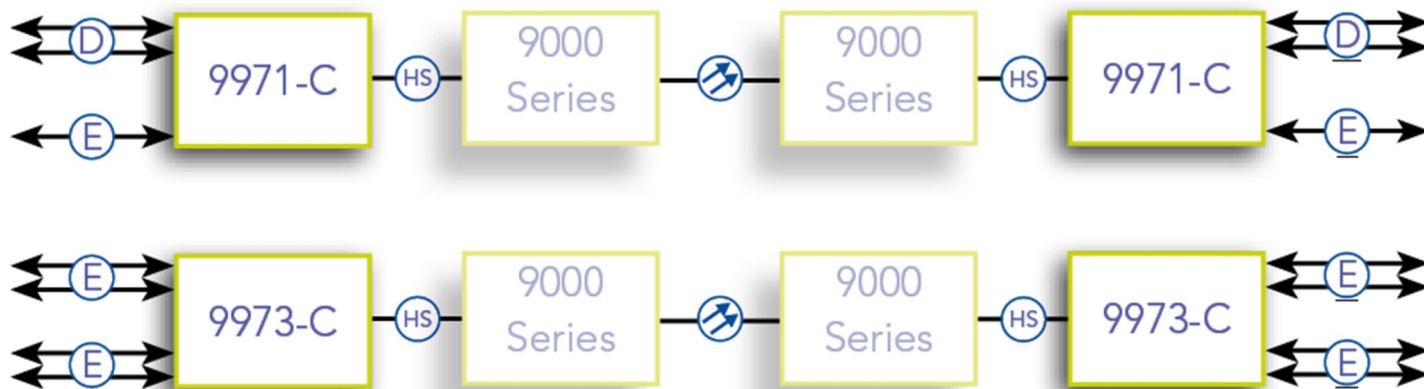
Ethernet to High-Speed port card

Description

A pair of Optelecom® 9971-C interface cards supports transport of a 10Mb Ethernet link on a duplex high-speed port. Many 9000 series data and video transport cards offer duplex high-speed ports supporting the 9971-C. The 9971-C can be added to SpectraStream CWDM systems when CWDM-compatible duplex host cards are used in the system.

Technical Specifications

9971-C, 9973-C



Data interfaces

High-speed port type	Duplex 9000 series high-speed RS-422 Port
9971-C	Ethernet port: type 10Base-T Ethernet, full-duplex/half-duplex, RJ-45 connector
9973-C	Ethernet ports (x4): type 10/100Base-T Ethernet, full-duplex/half-duplex, autonegotiation, RJ-45 connector (x4)
9971-C only	
Number of ports	2
Type	User-programmable RS-232, RS-422 2- or 4-wire, or RS-485 2- or 4-wire, data rate DC to 128kb/s, auto baud
Input impedance	RS-232 $\geq 3k\Omega$
RS-422/RS-485	120 Ω or 12k Ω
Connector	2 x 5-pin removable screw terminal

Management

LED status indicators	
9971-C	
High-speed port	Loop
Ethernet port	TX, RX, error, full-duplex, half-duplex
9973-C	
Com link (high-speed port)	Status
Ethernet ports	port activity, link
Management system	9900 Network Management System (NMS)

Power requirements

9971A-C	
Voltage	6VDC (chassis)
Current	375mA
9973A-C	
Voltage	6VDC (chassis)
Current	400mA

Technical Specifications

9971-C, 9973-C

Environmental

Operating temperature	-40°C to +74°C (-40°F to +165°F)
Storage temperature	-55°C to +85°C (-67°F to +185°F)
Relative humidity	<95% with no condensation

Mechanical

9971A-C

Housing	1-slot card, 9000 series chassis
Dimensions (h x w x d)	154.9 x 20.3 x 218.4mm (6.1 x 0.8 x 8.6in)
Weight	453g (16.0oz)

9973A-C

Housing	1-slot card, 9000 series chassis
Dimensions (h x w x d)	154.9 x 20.3 x 218.4mm (6.1 x 0.8 x 8.6in)
Weight	453g (16.0oz)

Ordering information

Models	Description
9971-C	10Base-T to High-speed port interface card with two additional user-configurable data ports
9973-C	10Base-T to High-speed port interface card with built-in 10/100Mb 4-port Ethernet switch



The quality management system used in the development, production, sales, and support of this product is ISO 9001:2008 certified by LRQA.

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