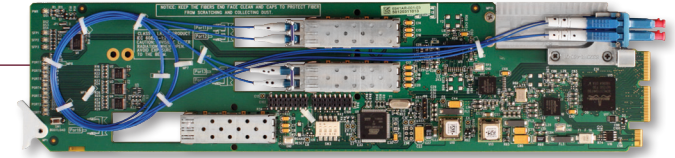


# FED-6944 GigE

## Dual Link Ethernet Fiber Transceiver (Quad Fiber)

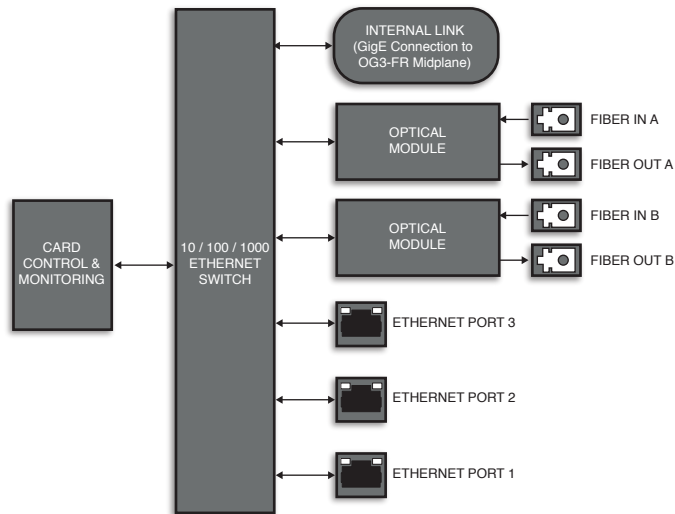
6 Port, Gigabit Ethernet switch with dual link, quad fiber transceivers.



The FED-6944 is a dedicated 6 port, Gigabit Ethernet switch. 3 copper ports provide 1Gb/s connectivity for multiple Ethernet enabled devices or links to additional network switches. 4 optical ports provide an Ethernet link over two, dual fiber connections for extended distances. An additional port is available for the OG3 frame's optional internal GigE controller.

The FED-6944 is available in several varieties: The FED-6944-20 transceiver is capable of running up to a 20km link between a 2nd FED-6944-20, or any other transceivers of similar specifications. 40km and 80km variations are also available and achieved by using higher output power transmitters and higher sensitivity receiver SFPs.

CWDM options are available in standard and high sensitivity SFPs for use with external CWDM multiplexer and de-multiplexer systems. Up to 16 independent optical signals can be multiplexed down a single fiber. This allows up to 8 full duplex, gigabit Ethernet links over a single fiber, or any combination of audio, video and data optical signals using other Ross Video CWDM fiber products.



### Ordering Information

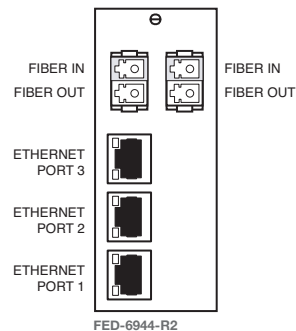
#### Dual Link Ethernet Transceiver, Quad Fiber

FED-6944-20	20km
FED-6944-40	40km
FED-6944-80	80km
FED-6944-XX*	CWDM
FED-6944-XXH *	CWDM + High Sensitivity

#### Rear Module Suffix (ex: [model]-R2)

-R2 Rear Module for FED-6944

\* CWDM wavelength identifier; ex: XX = 31 for 1310nm. See page 86 of the Infrastructure Catalog for CWDM multiplexing.



### Key Features

- 3 independent copper Gigabit Ethernet ports
- Copper Ethernet connection: RJ45
- Quad LC Optical Connection
- Internal GigE midplane connection
- SNMP compliant
- 5-year transferable warranty

#### Input Optical Sensitivity & Wavelength

- 20km: -22dBm
- 40km: -24dBm
- 80km: -24dBm
- CWDM: -24dBm
- CWDM-H: -32dBm

#### Output Power & Wavelength

- 20km: -8dBm @ 1310nm
- 40km: -2dBm @ 1310nm
- 80km: 0dBm @ 1550nm
- CWDM: 0dBm @ 1270nm – 1610nm
- CWDM-H 2dBm @ 1270nm – 1610nm