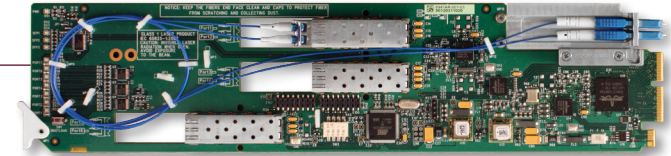


# FES-6942 GigE

## Single Link Ethernet Fiber Transceiver (Dual Fiber)

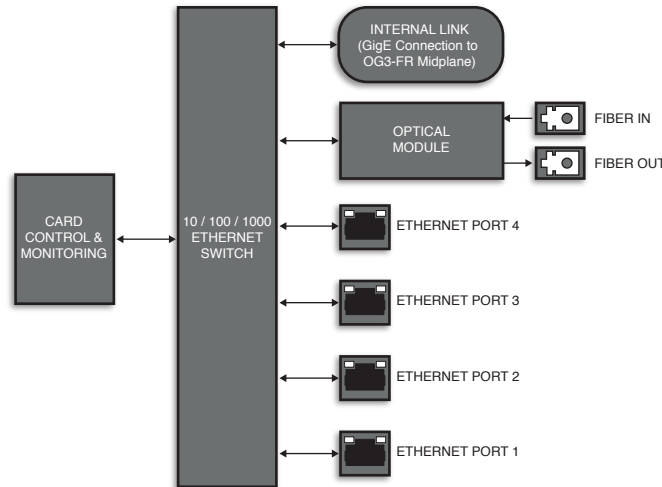
6 Port, Gigabit Ethernet switch with single link, dual fiber transceiver.



The FES-6942 is a dedicated 6 port, Gigabit Ethernet switch. 4 copper ports provide 1Gb/s connectivity for multiple Ethernet enabled devices or links to additional network switches. 1 dual fiber optical port provides an Ethernet link over a dual fiber connection for extended distances.

The FES-6942 is available in several varieties: The FES-6942-20 transceiver is capable of running up to a 20km link between a 2nd FES-6942-20, 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

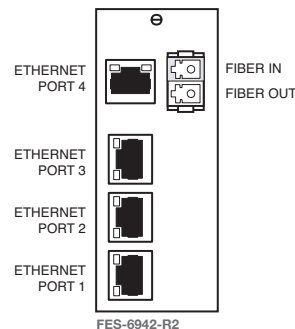
#### Single Link, Dual Fiber

FES-6942-20	20km
FES-6942-40	40km
FES-6942-80	80km
FES-6942-XX*	CWDM
FES-6942-XXH*	CWDM + High Sensitivity

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

-R2 Rear Module for FES-6942

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



### Key Features

- 4 independent copper Gigabit Ethernet ports
- Copper Ethernet connection: RJ45
- Dual 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