

Specifications

FOX RS 104

NOTE: These units are class 1 laser products. They meet the safety regulations of IEC-60825.

NOTE: The FOX RS 104 is not compatible with the Extron FOX 3G HD-SDI extender or the FOX 3G DVC signal converter.

Optical fiber interconnection between transmitter and receiver

Number/type.....	2 fibers per insertion point
Operating distance	
Singlemode	30 km (18.75 miles) with singlemode (SM) cable with an SM unit
Multimode	300 m (985 ') with 62.5 μ m OM1 multimode (MM) cable with an MM unit 1 km (3280') with 50 μ m OM2 MM cable with an MM unit 2 km (6561') with 50 μ m OM3/OM4 laser optimized MM cable with an MM unit

NOTE: Operating distance is approximate. These are typical maximum distances that may vary depending on factors such as fiber type, fiber bandwidth, connector splicing, losses, modal or chromatic dispersion, environmental factors, and kinks.

Nominal peak wavelength.....	850 nm for FOX MM, 1310 nm for FOX SM
Data rate	4.25 Gbps or 2.125 Gbps, selectable
Transmission power.....	-5 dBm, typical
Maximum receiver sensitivity	
Singlemode	-18 dBm, typical
Multimode	-12 dBm, typical
Optical loss budget	
Singlemode	13 dB, maximum
Multimode	7 dB, maximum

Ethernet control interface

Connectors.....	1 female RJ-45 connector
Data rate.....	10/100Base-T, half/full duplex with autodetect
Protocols	ARP, ICMP (ping), IP, TCP, UDP, DHCP, HTTP, SMTP, Telnet
Default settings	Link speed and duplex level = autodetected IP address = 192.168.254.254 Subnet mask = 255.255.0.0 Gateway = 0.0.0.0 DHCP = off
Web server	Up to 200 simultaneous sessions 7.25 MB nonvolatile user memory
Program control.....	Extron Simple Instruction Set (SIS™) Microsoft® Internet Explorer®, Telnet
Global Viewer requirements.....	Microsoft® Internet Explorer ver. 6 or higher

Serial control interface

Quantity/type	4 bidirectional RS-232, RS-422, RS-485 configurable serial
Connectors.....	8 SFP LCs
Baud rate and protocol	300 to 115200 baud Default settings (adjustable): 9600 baud, 8 data bits, 1 stop bit, no parity

General

Power	Internal 100 VAC to 240 VAC, 50-60 Hz, TBD watts
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling	Convection, vents on side panels
Thermal dissipation	
110 VAC, 60 Hz.....	TBD BTU/hr
240 VAC, 50 Hz.....	TBD BTU/hr
Mounting	
Rack mount.....	Yes, with optional 1U rack shelf
Furniture mount	Under-furniture mountable with optional kit
Enclosure type	Metal
Enclosure dimensions	1.7" H x 8.7" W x 6.0" D (1U high, half rack wide) (4.3 cm H x 22.1 cm W x 15.3 cm D) (Depth excludes connectors.)
Product weight	TBD lbs (TBD kg)
Shipping weight	TBD lbs (TBD kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, c-UL, UL
EMI/EMC.....	CE, C-tick, FCC Class A, ICES, VCCI
Environmental.....	Complies with the appropriate requirements of RoHS, WEEE
Warranty	3 years parts and labor

NOTE: All nominal levels are at $\pm 10\%$.

NOTE: Specifications are subject to change without notice.

8.1-120914-D2