

Specifications

FOX DA8 Plus Series

Optical specifications

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

Routing.....	(1) 1 x 8, (2) 1 x 4, or (4) 1 x 2, selectable
Number/type	
Input.....	1, 2, or 4 singlemode or multimode fiber optic
Output.....	8, 4, or 2 singlemode or multimode fiber optic
Connectors.....	8 LC connectors
Operating distance	
Singlemode	30 km (18.75 miles) with singlemode (SM) cables with an Extron singlemode Tx/Rx unit
Multimode	300 m (985') with 62.5 μ m OM1 multimode (MM) cables with an Extron multimode Tx/Rx unit 1 km (3280') with 50 μ m OM2 multimode (MM) cables with an Extron multimode Tx/Rx unit 2 km (6561') with 50 μ m OM3/OM4 laser optimized multimode cable with an Extron multimode Tx/Rx unit

NOTE: Operating distance is approximate. These are typical distances. The maximum distance may be greater than these typical numbers 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 MM model, 1310 nm for SM model
Data rate.....	4.25 Gbps
Transmission power	
Singlemode	-5 dBm, typical
Multimode	-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

Control/remote

Serial control port.....	1 RS-232, 3.5 mm captive screw connector, 3 pole (rear panel)
Baud rate and protocol	9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configurations.....	1 = Tx, 2 = Rx, 3 = Gnd
USB control port.....	1 front panel female mini USB B
USB standards	USB 2.0, low speed
Program control.....	Extron control/configuration program for Windows® Extron Simple Instruction Set (SIS™)

General

Power supply.....	Internal Input: 100-240 VAC, 50-60 Hz
Power consumption.....	13.0 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 top and sides
Thermal dissipation	44.3 BTU/hr
Mounting	
Rack mount.....	Yes, with optional 1U rack shelf
Furniture mount	Yes, with optional under-desk mounting kit or through-desk mounting kit
Enclosure type	Metal
Enclosure dimensions	1.7" H x 8.7" W x 9.5" D (1U high, half rack wide) (4.3 cm H x 22.1 cm W x 24.1 cm D) (Depth excludes connectors.)
Product weight	2.3 lbs (1.0 kg)
Shipping weight	4 lbs (2 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
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.