RTUe-9120 external optical switch

HIGH-DENSITY 1XN MEMS-TYPE OPTICAL SWITCH UNIT

Highest optical-switch-port density for OTDR-based remote fiber test systems and fiber monitoring applications.



KEY FEATURES

Reliable 1XN MEMs optical switch

MPO 16-fiber connectors

Available in 32, 64, 128 and 256 ports

Small footprint - 1/2U

High port density, up to 512 ports/1U

Low insertion loss for such a high port count

Lifetime of over 2.5 billion cycles

Very low power consumption

APPLICATIONS

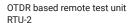
PON/FTTx central remote testing and monitoring

Large- or edge-site fiber testing and surveillance

Data-center interconnect and campus monitoring with large cable fiber counts

COMPATIBLE PRODUCTS







Test access module (TAM) kit



OPTICAL SPECIFICATIONS			
Parameter	Min.	Typical	Max.
Insertion loss ^a —All models at 1310, 1550 and 1650 nm (dB)		2	
Crosstalk ^b (dB)	50		-50
Back reflection b (dB)			-45
Switching time (ms)			300
Durability (cycles)		2.5 billion	
Fiber type	9/125 µm singlemode fiber		
Connector type Output Input	MPO-APC (16 fibers populated onto a standard MPO 24 fibers ferrule) SC-APC		

ELECTRICAL SPECIFICATIONS	
Latching type	Non-latching
Supply type	USB 2.0
Operating power consumption	~1 W

GENERAL SPECIFICATIONS	
Chassis size	½ U, rackmount chassis (19")
Size (H x W x D)	22 mm x 440 mm x 220 mm (7/8 in x 17 5/16 in x 8 11/16 in)
Weight	1.2 kg (2.6 lb)
Temperature Operating ° Storage d	−5 °C to 50 °C (23 °F to 122 °F) −40 °C to 70 °C (−40 °F to 158 °F)
Optical connector location	Front panel
Accessories included Instruction manual (hard copy) GP-3120: 1U rackmount brackets (kit of 2) Extender brackets to ETSI rack size	

- 1.5 m optical jumper SC-APC to SC-APC with FLEX boots
- USB cable, 1.8 m, right-angle connector
- a. Measured at 23 °C ± 5 °C, including input and output connectors.
- b. Measured at 1550 nm.
- c. With less than 80% relative humidity, non-condensing.
- d. With less than 95% relative humidity, non-condensing.

ORDERING INFORMATION

RTUe-9120-SPLX-XX

Configuration ■

32 = 1 x 32 port optical switch 64 = 1 x 64 port optical switch 128 = 1 x 128 port optical switch

256 = 1 x 256 port optical switch

Example: RTUe-9120-SPLX-32

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EXFO headquarters **T** +1 418 683-0211 **Toll-free** +1 800 663-3936 (USA and Canada)

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