

# LC Regeneration TAP

## Set up Four Monitor Ports on a Single Link

### Complete, Safe In-Line Monitoring

- The LC Regeneration TAP is a Fiber Optic TAP suited for the monitoring of a single fiber optic link by four different analyzers. It uses LC connectors with low insertion loss zirconia sleeve adapters, and is available in Single-Mode (1310/1550nm 9/125µm) and Multi-Mode (850/1300nm 50µm and 62.5µm).

The Regeneration TAP only splits the signal once, before duplicating and regenerating the monitor signal four times. This greatly mitigates the weakening of the optical signal that results from excessive splitting. The four output signals can be connected to four separate monitoring systems, to be filtered and analyzed in different ways.

Its compact design allows it to be placed along with 2 other Profitap TAPs in a 1U Profitap Rack Frame (ref. ARF-1U) for up to 3 TAPs in 1U rack space.

- Features**
  - Non-intrusive in-line monitoring
  - Permanent network link guaranteed
  - Monitoring of all OSI layers
  - No packet loss
  - No point of failure
  - Various split ratios available
  - Signal regeneration to 4 monitor ports

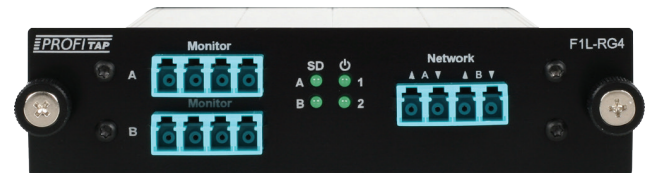
- Maximum Insertion Loss (dB)**

Split ratio	50 / 50	60 / 40
Multi-Mode 50/62.5µm	4.0 (Net)	3.0 (Net)
Single-Mode 9µm	3.6 (Net)	2.7 (Net)

Split ratio can vary 3-4%

Multi-Mode 50/62.5µm: [Dual Wavelength 850/1300 nm](#)

Single-Mode: [Dual Wavelength 1310/1550 nm](#)



Rack-Mountable LC Regeneration TAP (F1L-RG4)

#### Technical Specifications

Reference	F1L-RG4
Network Links	1
Monitor Links	4
Connectors	LC duplex with zirconia adapters
Enclosure	Black & natural anodized aluminium
Operating Temperature	0°C to 55°C
Storage Temperature	-10°C to 90°C
Humidity	10 to 90%, non-condensing
Dimensions (WxDxH)	113 x 168 x 30 mm 4.45 x 6.61 x 1.18 in
Front Panel Dim. (WxH)	143 x 35 mm 5.63 x 1.38 in
Weight	323 g 0.71 lb

Connector	Type	Speed	Split ratio	Order reference
LC	MM 62.5/125 µm	1 Gbps	50 / 50	F1L-RG4-U-50
			60 / 40	F1L-RG4-U-60
		1 Gbps	50 / 50	F1L-RG4-Z-50-1
			60 / 40	F1L-RG4-Z-60-1
		10 Gbps	50 / 50	F1L-RG4-Z-50-10
			60 / 40	F1L-RG4-Z-60-10
	SM 9/125 µm	1 Gbps	50 / 50	F1L-RG4-S-50-1
			60 / 40	F1L-RG4-S-60-1
		10 Gbps	50 / 50	F1L-RG4-S-50-10
			60 / 40	F1L-RG4-S-60-10

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