

100 Mb 350-650m Manual Focus Laser Link



Electrical characteristics

Light source	Laser Diode
Laser diode power	1x35mW
Detector	SiAPD Photo diode
Dynamic range	~35dB
Bandwidth	100Mbps
Management	Web based SNMP compatible In-band management
System latency	<50ns

Physical characteristics

Head housing	Aluminium Alloy
Weight	8 kg *
Dimensions (with cover and alignment Unit)	390 x 258 x 290 mm *

Optical characteristics

Wavelength	785 nm
Beam divergence	2—5 mRad
Receiver angle	8.5 mRad
Laser class	Class 1M

Environment

Operating temperature	-40 to +60 °C
Storage temperature	-60 to +80 °C
Humidity	95% non condensed
Laser head protection rating	IP65

Power

Power required	IEEE 802.3af (Power over Ethernet)
Power to the head	IEEE 802.3af (Power over Ethernet)
Power to the head	POE injector

Fade Margin @ 650m

Normal visibility (Fog 3dB/Km Rain ~6mm/h)	25 dB
Medium visibility (Fog 15dB/Km Rain ~50mm/h)	17 dB
Low visibility (Fog 30dB/Km Rain ~130mm/h)	7 dB

Order Information

Product Code	Description
PXMF650FT	100Mb TX Ethernet IF 350-650m distance laser link. POE power supply, installation kit and SNMP web management included. Manual beam focus.
PXMF650FTH	100Mb TX Ethernet IF 350-650m distance laser link. POE power supply, installation kit and SNMP web management included. Manual beam focus and with heater.

Redefining wireless

* values / end

