

Gigabit 20-400m Manual Focus Laser Link



Electrical characteristics

Light source	Laser Diode
Laser diode power	1x25 mW
Detector	SiAPD Photodiode
Dynamic range	~35dB
Bandwidth	1.25Gbps
Management	Web based SNMP compatible Out-band management
System latency	<50ns

Physical characteristics

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

Optical characteristics

Wavelength	785 nm
Beam divergence	2—5 mRad, Manual Focus Function
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 @ 400 m

Normal visibility (Fog 3dB/Km Rain ~6mm/h)	23 dB
Medium visibility (Fog 15dB/Km Rain ~50mm/h)	19 dB
Low visibility (Fog 30dB/Km Rain ~130mm/h)	14 dB

Order Information

Product Code	Description
PXMFW400GT	Gigabit TX/FX Ethernet IF 20-400m distance laser link. POE power supply, installation kit, and SNMP web management included. Manual Beam Focus with Auto Back-up function.
PXMFW400GTH	Gigabit TX/FX Ethernet IF 20-400m distance laser link. POE power supply, installation kit, and SNMP web management included. Manual Beam Focus with Auto Back-up function and with heater.
PXMF400GT	Gigabit TX/FX Ethernet IF 20-400m distance laser link. POE power supply, installation kit, and SNMP web management included. Manual Beam Focus.
PXMF400GTH	Gigabit TX/FX Ethernet IF 20-400m distance laser link. POE power supply, installation kit, and SNMP web management included. Manual Beam Focus and with heater.

Redefining wireless

* values / end

