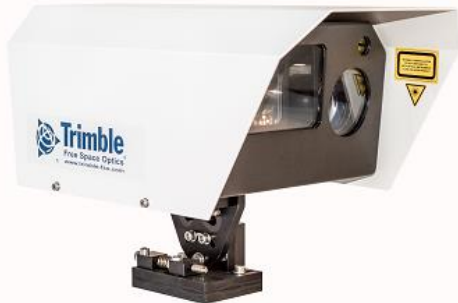


Gigabit 100-500m Auto Focus Laser Link



Electrical characteristics

Light source	Laser Diode
Laser diode power	1x 25 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	8 kg *
Dimensions (with cover and alignment Unit)	390 x 258 x 290 mm *

Optical characteristics

Wavelength	785 nm
Beam divergence	1—10 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 @ 500m

Normal visibility (Fog 3dB/Km Rain ~6mm/h)	Max 29 dB
Medium visibility (Fog 15dB/Km Rain ~50mm/h)	Max 23 dB
Low visibility (Fog 30dB/Km Rain ~130mm/h)	Max 16 dB

Order Information

Product Code	Description
PXAFW500GT	Gigabit TX/FX Ethernet IF 100-500m distance laser link. POE power supply, installation kit, SNMP web management included, with Auto Focus and Auto Back-up function.
PXAFW500GTH	Gigabit TX/FX Ethernet IF 100-500m distance laser link. POE power supply, installation kit, SNMP web management included, with Auto Focus and Auto Back-up function, with heater.

Redefining wireless

* values / end

