

# 100 Mb 500-1000m Auto 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	1—10 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 @ 1000m

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
PXAF1000FT	100Mb TX Ethernet IF 500-1000m distance laser link. POE power supply, installation kit and SNMP web management included with Auto Focus.
PXAF1000FTH	100Mb TX Ethernet IF 500-1000m distance laser link. POE power supply, installation kit and SNMP web management included with Auto Focus and with heater.

Redefining wireless

\* values / end

