

100Mb 1800-3000m Laser Link



Electrical characteristics

Light source	Laser Diode
Laser diode power	2x35mW
Detector	SiAPD Photodiode
Dynamic range	>40dB
Bandwidth	100 Mbps
Management	Web based SNMP compatible in-band management
System latency	<50ns

Physical characteristics

Head housing	Aluminium Alloy
Weight	19 kg
Dimensions (with cover and alignment Unit)	650x365x310 mm

Optical characteristics

Wavelength	785 nm
Beam divergence	0.5-15 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) 11W w/o heating w heating 21W
Power to the Head	IEEE 802.3af (Power over Ethernet) 11W w/o heating w heating 21W
Power to the Head	POE injector

Fade Margin @ 1800m

Normal visibility (Fog 3dB/Km Rain ~6mm/h)	24 dB
Medium visibility (Fog 15dB/Km Rain ~50mm/h)	16 dB

Order Information

Product Code	Description
PX1800FT	100Mb TX Ethernet IF 650-1800m distance laser head. POE power supply, installation kit and SNMP web management included.
PX1800FTH	100Mb TX Ethernet IF 650-1800m distance laser head. POE power supply, installation kit and SNMP web management included with heater.

Redefining wireless

* values / end

