

100 Mb 20-350m Laser Link



Electrical characteristics

Light source	Laser Diode
Laser diode power	1x35mW
Detector	SiPIN Photodiode
Dynamic range	~30dB
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 @ 350 m

Normal visibility (Fog 3dB/Km Rain ~6mm/h)	24 dB
Medium visibility (Fog 15dB/Km Rain ~50mm/h)	20 dB
Low visibility (Fog 30dB/Km Rain ~130mm/h)	15 dB

Order Information

Product Code	Description
PX200FT	100Mb TX Ethernet IF 20-200m distance laser link. POE power supply, installation kit, and SNMP web management included.
PX200FTH	100Mb TX Ethernet IF 20-200m distance laser link. POE power supply, installation kit, and SNMP web management included, with heater.
PX350FT	100Mb TX Ethernet IF 20-0350m distance laser link. POE power supply, installation kit, and SNMP web management included.
PX350FTH	100Mb TX Ethernet IF 200-350m distance laser link. POE power supply, installation kit, and SNMP web management included, with heater.

Redefining wireless

* values / end

