Gigabit 200-3000m Auto Tracking Laser Link

Electrical characteristics

Light source	Laser Diode
Laser diode power	2x25 mW
Detector	SiAPD Photo diode
Dynamic range	~35dB
Bandwidth	1.25Gbps
Management	Web based SNMP compatible In-band management
System latency	<50ns
Backup function	Switch

Physical characteristics

Head housing	Aluminium Alloy
Weight	22 kg *
Dimensions (with cover and alignment Unit)	690 x 320 x 360mm *

Optical characteristics

Wavelength	785 nm
Beam divergence	2-5 mRad, Auto Focus Function
Receiver angle	8.5 mRad
Laser class	Class 1M
Power to the head	48V Power Supply

Environment

Operating temperature	-40 to +60 °C
Storage temperature	-60 to +80 °C
Humidity	95% non condensed
Laser head protection rating	IP65

Fade Margin @ 3000m

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
PXATW3000GT	Gigabit TX/FX Ethernet IF 200-3000m distance laser link. 48V power supply, installation kit and SNMP web management included. With Auto Back-up function.
PXATW3000GTH	Gigabit TX/FX Ethernet IF 200-3000m distance laser link. 48V power supply, installation kit and SNMP web management included. With Auto Back-up function, with heater.

Redefining wireless

* values / end

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