

Gigabit 650-3500m Laser Link



Electrical characteristics

Light source	Laser Diode
Laser diode power	8x25mW
Detector	SiAPD Photodiode
Dynamic range	>40dB
Bandwidth	1,25 Gbps
Management	Web based SNMP compatible in-band management
System latency	<50ns
Power to the Head	48 V Power Supply
Backup Function	Switch

Physical characteristics

Head housing	Aluminium Alloy
Weight	28 kg *
Dimensions (with cover and alignment Unit)	650x470x405 mm *

Optical characteristics

Wavelength	785 nm
Beam divergence	0.5-15 mRad
Receiver angle	8.5 mRad
Laser class	Class 1M
Power to the Head	48 V Power supply

Environment

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

Fade Margin @ 3500m

Normal visibility (Fog 3dB/Km Rain ~6mm/h)	34 dB
Medium visibility (Fog 10dB/Km Rain ~30mm/h)	12 dB

Order Information

Product Code	Description
PXW3500GT	Gigabit Ethernet IF 650-3500m distance laser link. 48 V power supply, installation kit and SNMP web management included. With Auto Back-up function.
PXW3500GTH	Gigabit Ethernet IF 650-3500m distance laser link. 48 V power supply, installation kit and SNMP web management included. With Auto Back-up function and with heater.

Redefining wireless

* values / end

