



LCS FE 100

Technical Specification

Performance

Rate	100Mbps
Protocol	FAST ETHERNET
Effective Range	up to 1,000m

Transmitter

Wavelength	800~820nm
Laser Type	GaAlAs Laser
Transmit Beam Diameter at Aperture	64mm
Transmit Beam Divergence	3mrad
Output Power	50mW

Receiver

Detector Type	APD
Bit Error Rate	$< 10^{-9}$
Optical Sensitivity	-34dBm
Dynamic Range	25 ...34dBm
Receiving Area	64mm
Allowable Mispointing Angle	0.75mrad

Fiber Optic Interface

Fiber Type	Single Mode/Multi Mode
Bandwidth Option	10/100 Base -T/FX
Input Connection	SC Type/RJ-45
Wavelength	1310nm

Mechanical Design and Power

Operating Temperature	-30° C to 50° C
Dimensions[mm] H×W×D	150×580×170
Weight(kg)	14kg
Input Power Line	AC 110/220V, 50~60Hz

Diagnostics

Indicators Selector	Receive Signal Strength/Power
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