



BLACK BOX[®]

NETWORK SERVICES

1000BASE-T to 1000BASE-LX 2 Wavelengths WDM Converter

Key Features

- ▶ One 1000BASE-T RJ-45 Interface.
- ▶ One 1000BASE-LX Bi-Direction Simplex SC Interface.
- ▶ TX: 1310nm RX: 1550nm or TX:1550nm RX: 1310nm
- ▶ Build-in Smart Monitor: Temperature/FAN/Power/System Alarm
- ▶ MDI-MDIX Auto-Crossover supported
- ▶ Plug-and-Play installation
- ▶ Comply to IEEE 802.3z 1000BASE-LX and 802.3ab 1000BASE-T
- ▶ LED Indication: Power/Act/FDX/TP Link/Fiber Link
- ▶ Extend Fiber Optic Distance up to 20,000m.
- ▶ Extend Fiber Optic Distance up to 40,000m.

LMSGSI-SET is designed to meet emerging needs for Gigabit network deployment. LMSGSI-SET adapts the WDM technology and able to provide Bi-Direction Gigabit communication up to 40KM via a single optical fiber. LMSGSI-SET provides the best cost effective solution to double the bandwidth of an existing network. LMSGSI-SET is fully compliant with IEEE802.3z & 802.3ab standards. Installation and operation procedures are simple and straightforward. Operation status may be monitored through a set of LED located in the front panel. Built-in smart monitor & diagnostic functions allow user to maintain their mission critical network more effectively. Warning Buzzer & LED will active automatically to alert user when encounter error.

Ordering information	
ITEM	CODE
1000BASE-T to 1000BASE-LX 2 Wavelengths WDM Converter	LMSGSI-SET

Specifications

Standards —
IEEE 802.3z 1000Base-LX
IEEE 802.3ab 1000Base-T

Interface —
1000Base-T : 1 x RJ45 Interface
1000Base-LX : 1 x Simplex SC Bi-Direction

LED —
Power, FDX, ACT, TP Link, Fiber Link

Dimensions —
80 x 37 x 147 mm

Weight —
300g(Net Weight)

Power —
100-240VAC
50, 60 Hzt

Temperature —
Operating : 0 - 50° C
Storage : -20 - +60° C

Humidity —
5%-90% non condensing

Emission —
Electrical: UL, CSA EMI: FCC Class A, CE

FIBER OPTIC DETAILS:

Connector Type — SC
Fiber Type — Singlemode
Wavelength — TX 1310nm RX 1550nm or RX 1310nm TX 1550nm
Typical Distance — 20km
Min TX PWR — -9.0Bm
Max TX PWR — -2.0dBm
Sensitivity — -21.0dBm
Link Budget — 12dB