## TELECOM/DATACOM SYSTEM

## 1000M SFP Gigabit Ethernet Media Converter

The Lightem Gigabit Media Converter is IEEE $802.3 \mathrm{ab} / \mathrm{z}$ 1000Base-T compliant. It converts connects 10/100/1000Base-T unshielded twisted-pair devices (e.g. network bridges. switch or workstation cards) to choices of fiber optics interfaces via SFP slots. This solution offers a low-cost integration option for network managers who want to migrate from fast Ethernet Gigabit Ethernet. With its flexible SFP slot design, you can convert the copper twisted pair signal into Multimode, Singlemode, CWDM, BIDI (single fiber) fiber transmission by using various SFP modules.


## FEATURES

- Compliant with IEEE802.3, IEEE802.3u, IEEE802.3ab standards for TP connection and IEEE802.3z standards for Fiber connection
- SFP Fiber port for flexible connection
- 10/100/1000Base-T to 1000Base SFP Fiber Conversion
- Automatically detects and configures the twisted pair port on the converter to the correct MDI or MDI-X configuration.
- Status LEDs for FX link, activity, PWR, TP link, activity, FDX Wide range of external power supply
- All LX-MC series has an option of Control (DIP switch) for LFP (Link Fault Pass), converter/switch mode flow control, FX speed (10/100/1000M)


## SPECIFICATIONS

| Parameter | Values |
| :--- | :--- |
| Optical Port |  |
|  | SFP slot |
| Ethernet Port | Duplex LC |
|  | RJ45 |
| Distance range |  |
|  | Singlemode: 20-70km |
| Environmental | Multimode: 2km |
| Operating Temperature |  |
| Power supply |  |
| Physical size | -10 to $+55^{\circ} \mathrm{C}$ |
| Dimensions |  |
| Weight |  |

## ACCESSORY

## LR2U-E series - 14slots Media Converter Rack Chassis

LR2U-E / LX-MCR14 Media Converter Rack Chassis is a Rackmount Chassis system for L-MC series Fiber Optic Media Converter. It supports maximum 14x media converters in a 2 U Rackmount chassis. It comes with standard dual power supplies for fail safe operation.


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## ACCESSORY FEATURES

- 19" 2 U Rackmount design
- Simply plug and play


## ACCESSORY SPECIFICATIONS

| Parameter | Values |
| :--- | :---: |
| Capacity | 14 slots available. Every $10 / 100 / 1000 \mathrm{Mbps}$ converter card occupies one slot |
| Power | Input: AC100-260V @50-60Hz \| Output: DC5V @ 12A |
| Noise | Protection from over voltage, current and short circuit |
| Power Protection | $0 \sim+55^{\circ} \mathrm{C}$ |
| Operating Temperature | $-20 \sim+70^{\circ} \mathrm{C}$ |
| Storage Temperature | $5 \% \sim 90 \%$ |
| Humdity | $485 \times 245 \times 90 \mathrm{~mm}\left(19^{\prime \prime} 2 \mathrm{U}\right.$ height) |
| Dimensions |  |

## ORDERING INFORMATION

| PN | Description |
| :--- | :--- |
| LX-MC | 10/100/1000BaseT to SFP slot Media Converter, external power supply |
| LX-LS125M85005 | Gigabit Ethernet Media Converter (LX-MC) with 1.25G Multimode 850nm SFP, 500m |
| LX-LS125S13150 | Gigabit Ethernet Media Converter (LX-MC) with 1.25G Singlemode 1310nm SFP, 20km |
| LX-LS125S15700 | Gigabit Ethernet Media Converter (LX-MC) with 1.25G Singlemode 1550nm SFP, 70km |
| LX-LB125S35150 | Gigabit Ethernet Media Converter (LX-MC) with 1.25G BIDI Tx/Rx: 1310/1550nm SFP 20km |
| LX-LB125S53150 | Gigabit Ethernet Media Converter (LX-MC) with 1.25G BIDI Tx/Rx: 1550/1310nm SFP 20km |
|  |  |
| LX-LB125S35400 | Gigabit Ethernet Media Converter (LX-MC) with 1.25G BIDI Tx/Rx: 1310/1550nm SFP 40km |
| LX-LB125S53400 | Gigabit Ethernet Media Converter (LX-MC) with 1.25G BIDI Tx/Rx: 1550/1310nm SFP 40km |
| LX-LCWS125SXX22D | Gigabit Ethernet Media Converter (LX-MC) with 1.25G CWDM SFP 1270-1610 |
| LX-LCWS125SXX32D SFP, 32dB, 550nm, 100km, Simplex SC |  |
|  |  |
| *Optional DIP switch available | DIP switch of LFP (Link Fault Pass), converter/switch mode, flow control, Speed: 100 or 1000Mbps |
| eg : LX-MC-DIP | $10 / 100 / 1000 B a s e T ~ t o ~ S F P ~ s l o t ~ M e d i a ~ C o n v e r t e r ~(L X-M C), ~ e x t e r n a l ~ p o w e r ~ s u p p l y ~ w i t h ~ D I P ~ s w i t c h ~$ |
|  |  |
| Accessory |  |
| LX-MCR14 |  |

ORDERING INFORMATION
LX-MC

10/100/1000M RJ45 x 1

1000MSFP x1

