

10/100/1000M SFP SLOTS MEDIA CONVERTER



3C-LINK OPTO CO.,LTD

WWW.3C-LINK.COM

10/100/1000 M SFP Media Converter(3C-SFP0101G)



Key Features

- ◆ Support 100Base-FX and 1000Base-FX
- ◆ Auto negotiation function allows UTP ports to auto select 10/100/1000M and Full Duplex or Half Duplex.
- ◆ The UTP port supports the connection of MDI/MDI-X auto crossover.
- ◆ Support all 1250M SFP Standard transceiver
- ◆ Supporting the max 1536 byte Ethernet packet
- ◆ Supporting flow control
- ◆ Adopting external power supply

Applications

- ◆ Optical networks
- ◆ FTTH networks
- ◆ Government house
- ◆ The new building
- ◆ Soho end users

Specification

3C-SFP0101G Fiber Media Converter can convert Optical – Electric Ethernet signals between 10/100/1000M UTP interface (TX) and 1000M optical fiber interface (FX). The traditional 10/100/1000M Ethernet can be extended to the distance of 100km through optical fiber link. The performance and quality of the products are excellent because of adopting latest IC from USA and Taiwan. 6 Group LED indicated lights could fully monitor the working conditions of converters. It is easy for users to observe and diagnose the failure of converters. This type Converters could be used alone Standalone or inserted to 14 slots RACK supplied by 3c-Link. which is suitable for the use of Network Centre.

Parameter

- ◆Operating standards: IEEE802.3z/AB, 10/100/1000Base-T and 1000Base-SX/LX
- ◆Data buffer: Built-in 128Kbyte RAM.
- ◆Connectors: UTP Connector: RJ-45, 10/100/1000Mbps; Fiber Connector: SC/LC Based by SFP, 1000Mbps
- ◆Cable:
 - UTP: Cat. 5 (the max distance up to 100m)
 - Fiber (Multimode): 50/125, 62.5/125 μ m (the max distance up to 2km or 5km)
 - Fiber (Singlemode): 8.3/125, 8.7/125, 9/125, 10/125 μ m (the max distance up to 20 -120km)
- ◆Flow Control
 - Full Duplex: Supporting standard IEEE802.3x
 - Half Duplex: back pressure
- ◆LED: Power, FX SD, FX Link/Act, TX 100, TX FDX, TX Link/Act.
- ◆Power Requirement: AC 110 ~ 240V to DC 5V; DC48V to DC 5V.
- ◆Ambient Temperature: 0 ~ 50
- ◆Storage Temperature: - 40 ~ 70 °C
- ◆Humidity: 5 ~ 90%
- ◆Dimensions: External power: 26×70×93mm

Support LFP Function:

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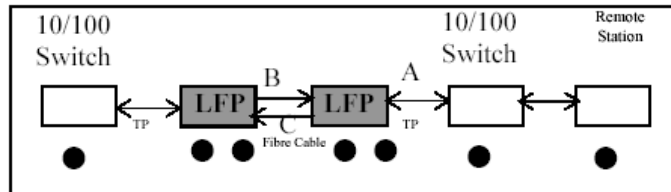


Fig. 1 Normal status Via pair of LFP'S

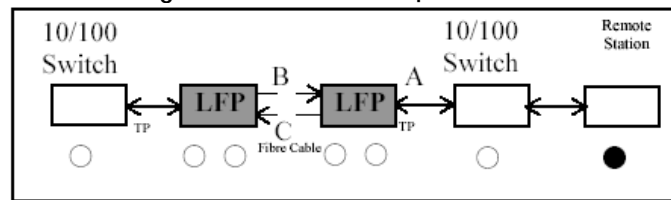


Fig. 2 The status when copper link is broken

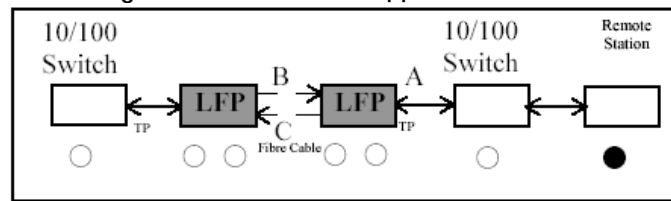


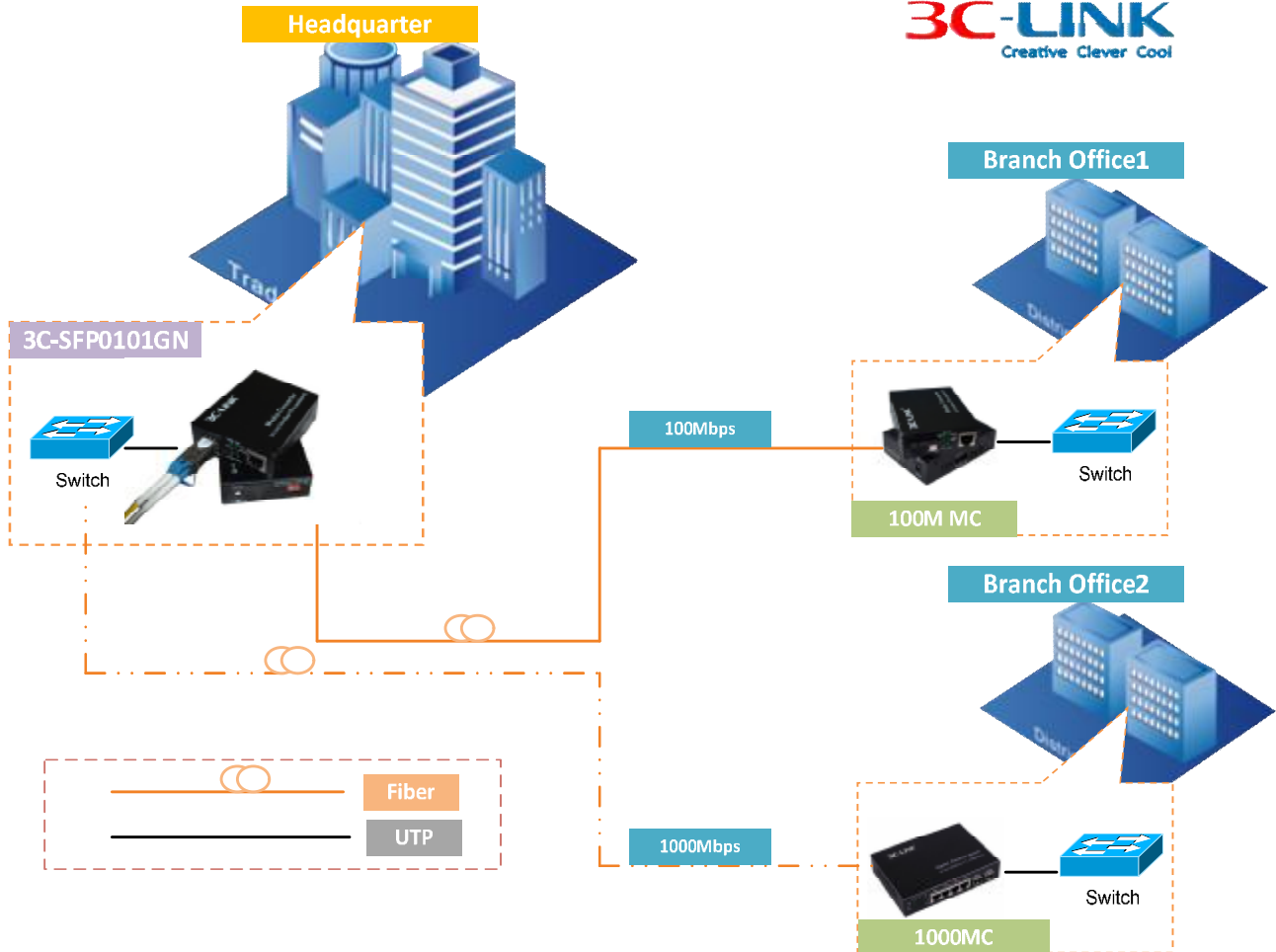
Fig. 1 The status when fiber cable C or B is broken

DIP Function:



| | | |
|-----|-----|---------------------------------|
| SW1 | ON | Enable Link Fault Pass-Through |
| | OFF | Disable Link Fault Pass-Through |
| SW2 | ON | Converter mode (9k) |
| | OFF | Switch mode |

Application:





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