Gigabit Ethernet Multiplexer
（2×1.25G to 2.5G）3 x SFP
User's Manual

1．Overview

The Gigabit Ethernet Multiplexer aggregates 2 port Gigabit Ethernet into 1 port 2.5G uplink, reducing the conversion CAPEX and increasing the fiber utilization effectively. The multiplexer can be used either in point-to-point topology fuctioning as a media converter for transporting two Gigabit Ethernet services over one fiber or in CWDM system working as a wavelength converter for extending the system's transmitssion capacity doubly. The multiplexer is equipped with three SFP-based ports: SFP1 is 2.5G uplink port, SFP2 and SFP3 are Gigabit Ethernet service ports.The multiplexer must be used in couples.

2．Checklist

Before you installing the Multiplexer, verify that the package contains the following：
1. The Gigabit Ethernet Multiplexer.
2. AC/DC Power Adapter.
3. This User's Manual.

Piease notify your sales representative immediately if any of the aforementioned items is missing or damaged.

3. LED Description
There are five LED At Front of Multiplexer:

2.5G	Lit when SFP1 speed is 2.5Gbps
P1	Lit when SFP1 connection is good. Blinks when SFP1 data is transmitting.
P2	Lit when SFP2 connection is good. Blinks when SFP1 data is transmitting.
P3	Lit when SFP3 connection is good. Blinks when SFP3 data is transmitting.
PWR	Lit when +5V power is coming up.

4. Installing Gigabit Ethernet Multiplexer

The multiplexer must be used in couples.

1. Attach one 2.5G SFP module to SFP1 Cage on the Multiplexer. Attach two 1.25G SFP modules to SFP2 and SFP3 Cage on the Multiplexer.
2. Link fiber from the SFP1 on one Multiplexer with SFP1 on another Multiplexer. It can link through CWDM system.
3. Link fiber from the SFP2 and SFP3 on the Multiplexer to Gigabit Ethernet Service.
   Note: SFP2 on one Multiplexer link pass only with SFP2 on another Multiplexer. SFP3 on one Multiplexer link pass only with SFP3 on another Multiplexer.
4. Connect the power cord to the Multiplexer and check that the Power LED lights up. The Px LEDs will light when all the cable connections satisfactory.
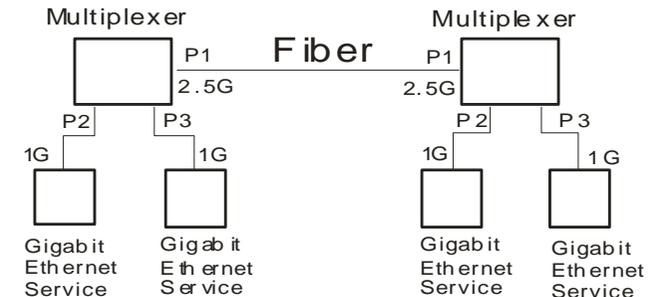
5. Technical Specifications

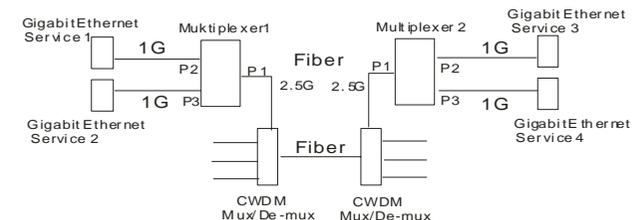The Multiplexer conforms to the following standards:

- **Standerds:** IEEE 802.3AB 1000Base-T
  1000Base-SX/LX/LH
- **Fiber Cable:**
  Molti-mode: 50/125，62.5/125μm
  Single-mode: 9/125μm.
- **Data Transfer Rate:**
  2.5Gbps for SFP1, 1Gbps for SFP2 and SFP3.
- **LED Indicators:**
  Power, P1 2.5G, P1 Link/Act, P2 Link/Act, P3 Link/Act,
- **Power Requirement:** 220V(110-245V)AC，50Hz
- **Ambient Temperature:** 0 ～ 50℃
- **Humidity:** 5% ～ 90%
- Dimensions: 26×70×93mm（H×W×D）

6．Typical Application
1. Application 1

2. Application 2

Gigabit Ethernet Multiplexer

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