

## Features

- ✧ Two LC single-mode optical Fiber interfaces.
- ✧ Suitable for ring network.

## Description

- ✧ Refer to GST-IFP4E Fire Alarm Control Panel Installation Manual.
- ✧ P-9983EA card is optional for GST-IFP4E control panel, providing two LC single-mode optical Fiber interfaces.
- ✧ This card is NOT hot-swappable.
- ✧ Refer to the control panel manual for following settings.
  - 1) Define the quantity of network cards connecting to the control panel.
  - 2) Set addresses quantity of the control panels in the system.
- ✧ LEDs
  - 1) P-9983EA card has internal RS485, FIBER1 (RX1, TX1) and FIBER2 (RX2, TX2) ports. Illuminating HL2 and HL3 mean that a port is fault.
  - 2) Flashing HL2 and HL3 mean that P-9983EA works normally.
- ✧ In Fiber-optical network made of those cards, FIBER1 connects with the FIBER2 of the neighbor control panel. Maximum distance between two networked panels shall be within 20 km.
- ✧ One GST-IFP4E control panel can connect max three P-9983EA cards, refer to Fig. 2.

## Connection & Wiring

The position for the fiber interface is on the fiber network card. Fig 1 shows the connection between the P-9983EA Fiber-Optical Network Card.

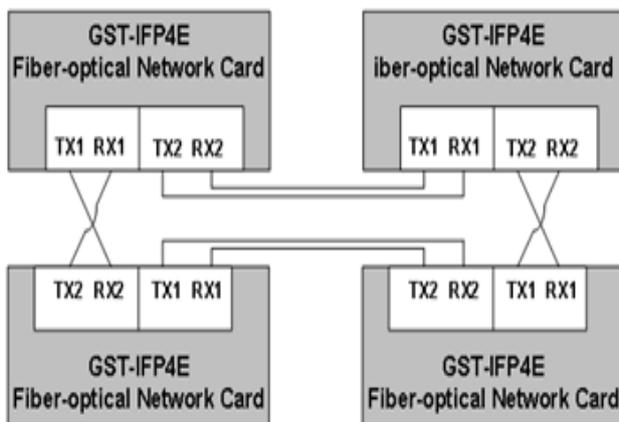


Fig. 1 Fiber Ring Network



## Installation

The position of P-9983EA card is shown in Fig. 2. P-9983EA Fibre-optical Network Card can be plugged into L5/L6, S1 or S2 slot of MB-400E Mother Board. Maximum three Network cards, including P-9966EA P-9983EA, or P-9956E-Modbus may be used in the panel.

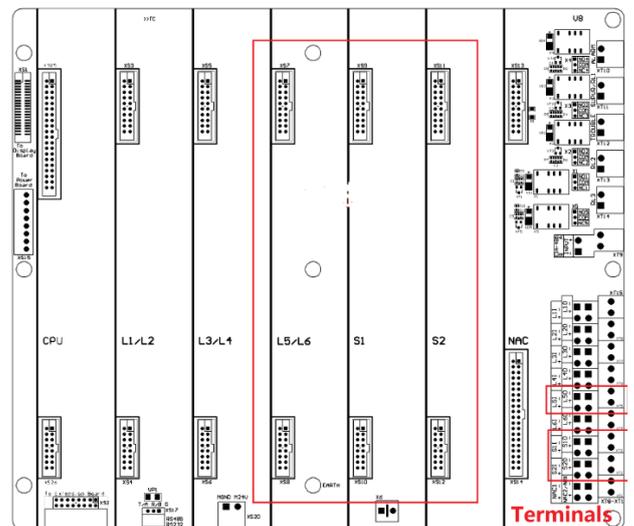


Fig. 2

## Application

P-9983EA Fibre-optical Network Card is inserted into mother board slots of the control panel as shown in Fig.2. Ring network is formed though twisted pair as shown in Fig. 1.

## Specification

Comm. Interface	single-mode optical Fiber interface
Comm. Distance	The distance between two neighbor nodes is less than 20Km
Network Capacity	Maximum 250 GST series control panels for networking.
Transmission Medium	Fibre-optical
Baud Rate	100Mbps
Electrical Rating	5VDC, 200mA
Ambient Temperature	-5-50°C/23-122° F
Relative Humidity	95% RH (non-condensing)

## Trouble shooting

Problems	Solutions
Messages cannot be transmitted.	<ol style="list-style-type: none"> <li>1. Check if the communication is normal according to status of LED HL2 and HL3.</li> <li>2. Check if the connection is correct according to Fig. 1.</li> <li>3. Check addresses of control panels in turn.</li> </ol>

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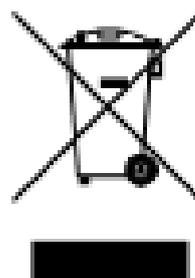
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