

Figure 3-14 GUFQ Panel



Figure 3-15 GUSQ Panel



## Indicators

Table 3-13 describes the indicators of the GE Ethernet uplink cards.

Table 3-13 Indicator Description for GE Ethernet Uplink Card

Indicator	Status	Description
RUN	OFF	The card is not powered ON.
	Green LED flashes slowly (1 Hz).	The card works properly (INSERVICE).
	Green LED flashes quickly (2 Hz).	<ul style="list-style-type: none"> <li>The card is in configuration process.</li> <li>The card is in BOOT writing process. Do Not pull out the card.</li> </ul>
	Green LED is ON.	<ul style="list-style-type: none"> <li>The card is in version starting process.</li> <li>The card is in BOOTROM program.</li> <li>The card is in PLD upgrading process.</li> </ul>
	Red LED is ON.	The card is seriously faulty, such as hardware fault.
	Yellow LED flashes slowly (1 Hz).	The card type is inconsistent with configuration (YPEMISMATCH).
ACT $i$ (i = 1 – 4)	OFF	The link is down.
	Green LED is ON.	The link is up, but no data transmission.
	Green LED flashes.	The interface is transmitting and receiving data.

## Interfaces

The GE Ethernet uplink cards provide four GE/FE interfaces.

## Principle Diagram

Figure 3-16 shows the principle diagram of the GE Ethernet uplink cards.

Figure 3-16 Principle Diagram of GE Ethernet Uplink Card

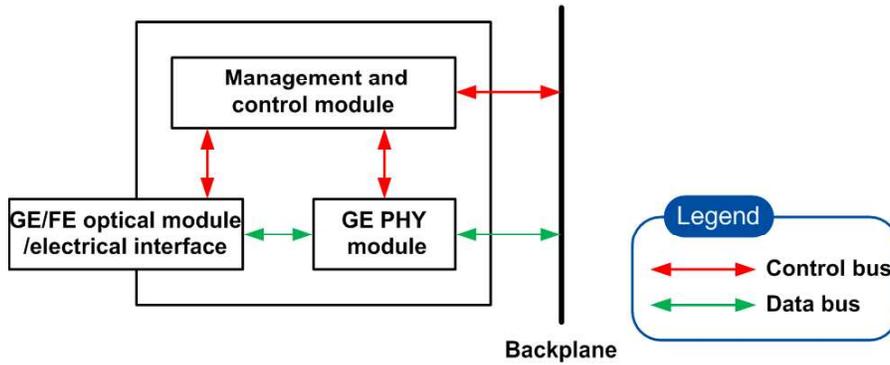


Table 3-14 describes the module functions of the GE Ethernet uplink cards.

Table 3-14 Module Function of GE Ethernet Uplink Cards

Module	Function
Management and control module	Implements card configuration, traffic management and optical module management, and status detection of optical module.
GE PHY module	Implements GE serial Ethernet interface conversion, coding in physical layer, clock recovery and frequency doubling.
GE/FE optical module/electrical interface	Provides GE/FE optical/electrical interface.

### Technical Specifications

Table 3-15 lists technical specifications of the GE Ethernet uplink cards.

Table 3-15 Technical Specifications of GE Ethernet Uplink Card

Item	Specification
Power consumption	4 W (static/maximum), 5 W (typical)
Dimensions	197.75 mm × 25 mm × 225 mm (Height × Width × Depth)
Weight	GUFQ: 0.506 kg GUSQ: 0.466 kg

## 3.3 PON Interface Cards

### 3.3.1 EPON Interface Cards

#### Function

The EPON interface cards provide EPON access. The ZXA10 C300/C350/C320 supports the following EPON interface cards: