- ETGH: 16-port EPON interface card
- ETGO: 8-port EPON interface card

Panel

Figure 3-17 and Figure 3-18 show the EPON interface card panels.

Figure 3-17 ETGH Panel

Figure 3-18 ETGO Panel

Indicators

Table 3-16 describes the indicators of the EPON interface cards.

Table 3-16 EPON Interface Cards Indicator Description

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).	- The card is in configuration process. - The card is in BOOT writing process. Do Not pull out the card.
	Green LED is ON.	- The card is in version starting process. - The card is in BOOTROM program. - The card is in PLD upgrading process.
	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 (TYPEMISMATCH).
ACTi/LEDi (i=1 – 16)	OFF	The PON interface has no configuration.
	Green LED flashes.	The PON interface is receiving and transmitting data.
	Red LED is ON.	The PON interface has alarm.

Interfaces

The EPON interface cards provide 16/8 EPON optical interfaces.

Button

The **RST** button is used for resetting card.

Principle

Figure 3-19 shows the principle diagram of the EPON interface cards.
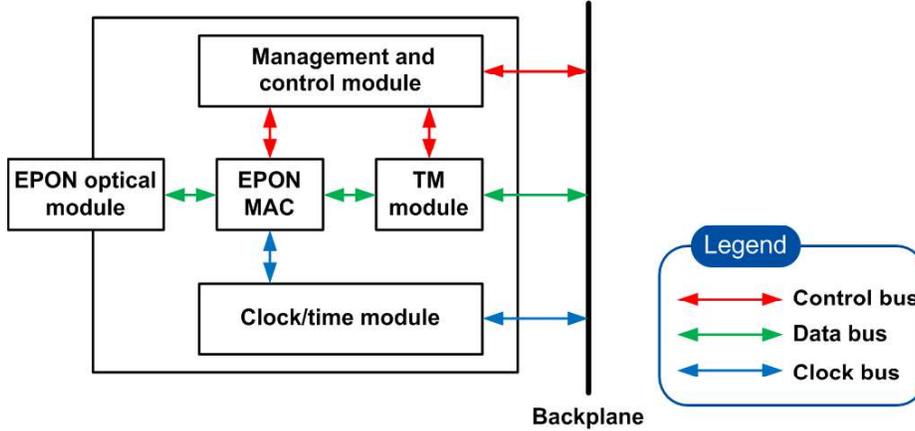
Figure 3-19 EPON Interface Cards Principle Diagram

Table 3-17 describes the module functions of EPON interface cards.

Table 3-17 EPON Interface Cards Module Functions

Module	Function
Management and control module	Manages and controls the card, implement card configuration.
EPON MAC module	Implement the EPON functions.
TM module	Processes data in service layer, including bandwidth management and QoS process, satisfies the SLA requirement.
EPON optical module	Provides EPON optical interface, complies with IEEE 802.3.
Clock module	Process system clock, complies with ITU-T G.8262, G.8264, and G.781.

Technical Specifications

Table 3-18 lists technical specifications of the EPON interface cards.

Table 3-18 Technical Specifications of EPON Interface Cards

Item	Specification
Power consumption	ETGH: 5 W (static), 55 W (maximum), 50 W (typical) GTGO: 5 W (static), 33 W (maximum), 27 W (typical)
Dimensions	395.5 mm × 22.5 mm × 225 mm (Height × Width × Depth)
Weight	ETGH: 1.250 kg ETGO: 1.017 kg