SmartAX MT880a ADSL CPE (hereinafter referred to as the MT880a) provides one Ethernet interface and supports ADSL2+. It is used for broadband access at home.

The MT880a is fully compatible with the TR-069 standard defined by the DSL Forum. It provides perfect remote management and diagnosis functions, which can reduce the operation expenditure (OPEX) dramatically. Through the auto upgrade and service provisioning procedure, it greatly facilitates the deployment of customer services.

MT880a Features

→Easy Usage and Maintenance

- Supporting up to eight PVCs
- Three LEDs indicating status of the device and the network easily for locating faults
- User-friendly configuration and management through the Web
- End-to-end OAM test for ATM link connectivity

→Abundant Functions

- DHCP server and DHCP relay function
- Embedded routing function
- Embedded PPP dial-up function

→Strong Network Adaptability

- Adopting ADSL2 and ADSL2+ techniques such as seamless rate adaptation and fast bit swapping to achieve outstanding rate adaptation capability

→Easy Management

- Web-based configuration, management and software upgrade
- Remote management through TR069

→High Security

- Password protection on the Web-based configuration utility
- Supporting security authentication protocols, with PAP and CHAP included

MT880a Structure

→Interfaces/Buttons on the Profile Panel

The Interfaces/Buttons on MT880a profile panel is described as follows (see Figure 1 on the right side).

• POWER: The power input interface. This interface is connected to the power adapter.

• LAN: The Ethernet interface. This interface is connected to a computer or a switch.

• RESET: The reset button. You can restore the default settings by pressing this button.

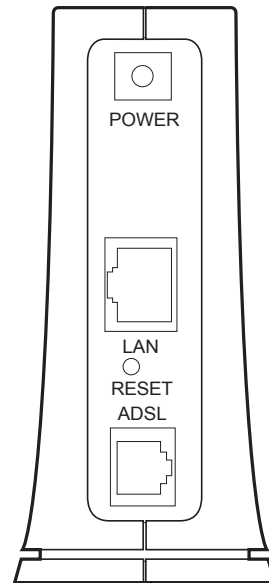• ADSL: The ADSL interface. This interface is connected to the splitter.

Figure 1

POWER button

→Button on the Top Panel

The power button is on the top panel of the MT880a (see Figure 2 on the right side).
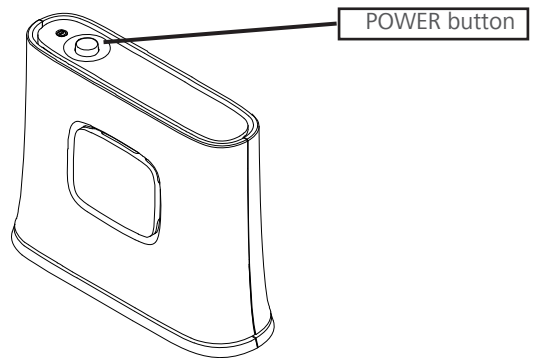
Figure 2

→LEDs on the Front Panel

The three LEDs on the front panel of the MT880a are described as follows (see Figure 3 on the right side).

• POWER: power indicator

• ADSL: status indicator of the ADSL link
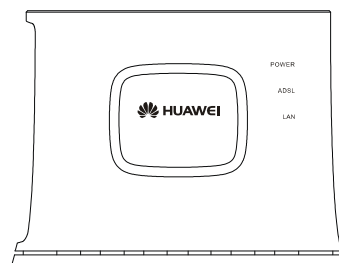
• LAN: status indicator of the LAN interface

Figure 3

MT880a Technical Specifications

→ADSL Standards
- ITU-T G.992.1 (G.dmt)
- ITU-T G.992.2 (G.lite)
- ITU-T G.994.1 (G.hs)
- ANSI T1.413 Issue 2

→ADSL2 Standard
- ITU-T G.992.3

→ADSL2+ Standard
- ITU-T G.992.5

→LAN Protocols
- IEEE802.3, IEEE802.3u 10/100 Base-T Fast Ethernet

→WAN Protocols
- RFC 1332 - IPCP
- RFC 1877 - PPP IPCP Extensions for Name Server Addresses
- RFC 1570 - PPP LCP Extensions
- RFC 2153 - PPP Vendor Extensions
- RFC 894 - IPoE
- RFC 1042 - IP Datagrams over IEEE 802 Networks
- RFC 768 - UDP   RFC 791 - IP
- RFC 792 - ICMP   RFC 793 - TCP
- RFC 824 - A standard for the transmission of IP Datagrams over Ethernet networks
- RFC 826 - ARP
- RFC 1122 - IP Precedence
- RFC 1349 - Type of Service in IP
- RFC 2474 - DSCP bits marking (Differentiated Services Codepoint)
- RFC 2663 - IP Network Address Translator Terminology and Considerations
- RFC 3022 - Traditional IP Network Address Translator
- RFC 3027 - Protocol Complications with the IP Network Address Translator
- RFC 2022 - MultiCast support over ATM UNI 3.1/3.0

→Physical Specifications
- Power consumption: < 3 W
- Power adapter output: 5 V DC, 1 A
- Operation temperature: 0℃ to 40℃
- Relative environment humidity: 5% to 95% (non-condensing)
- Demensions (W × H × D): 118.41 mm × 90.30 mm × 40.39 mm
- Weight: < 210 g

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