



S.G. INTERNATIONAL GROUP H.K. LIMITED

SHENZHEN SHUGUANG DIGITAL TECHNOLOGY CO., LTD.

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➤ Broadband Phone



T108A

T108E

Broadband phone T108A/E supports MGCP, SIP and H.323 protocol.

With its high availability and adaptability, T108F A/E has already passed many tests with famous soft-switches such as Nortel, Cisco, Lucent, Sonus and etc.

1. Main Features

Support ADSL, DDN, Cable Modem, LAN, WAN etc. network connection environment.

Penetrating multi-layers of Intranet and firewalls

Support Caller ID display, call transfer and three way call

Calling volume is adjustable, multiple phone rings, 8 types of alarms

Supporting multiple telephone functions such as 9 group fast speed dialing, redial, flash, mute, handfree etc.

telephone automatic voice response and record function.

- Address book can save 256 phone numbers for direct dialing

Call record can record "received, dialed, and missed" records of 64 each. The numbers in the record can be dialed and saved in the address book

2. Technical Specifications

	T108A	T108E
LAN Interface	1x RJ45 10/100 Base-T	2x RJ45 10/100 Base-T
Colors	White & Black	
Protocol	MGCP , sip ,H.323, RTP/RTCP , DHCP , SDP, TCP/IP , PPPoE, NAT, Bridge, NAT/FW	
CODEC	G .711 , G.726 , G .729A , G723.1	
CPU	ARM7TDMI 66MHz 8KB Cache 32Bit BUS	
LCD	128X32, two lines, 16 digits on each line are shown	
Power	in:100-240V AC, out: 12V DC, 1A	



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T108F

1. Main Features

Support ADSL, DDN, Cable Modem, LAN, WAN etc. network connection environment.

Two RJ-45 Ethernet ports, 10/100M BaseT standard.

Penetrating multi-layers of Intranet and firewalls

Support Caller ID display, call transfer and three way call

Calling volume is adjustable, multiple phone rings, 8 types of alarms

Supporting multiple telephone functions such as 9 group fast speed dialing, redial, flash, mute, handfree etc.

Telephone automatic voice response and record function.

Address book can save 256 phone numbers for direct dialing

Call record can record "received, dialed, and missed" records of 64 each. The numbers in the record can be dialed and saved in the address book

2. Technical specifications

Software:

Protocol: MGCP, sip, H.323, RTP/RTCP, DHCP, SDP, TCP/IP, PPPoE, NAT, Bridge, NAT/FW, etc.

CODEC: G.711, G.726, G.729A, G.723.1

Voice quality: G.165 echo elimination, mute inspection and formation of comfortable noise

Hardware:

CPU: ARM9TDMI 66MHz 8KB Cache 32Bit BUS

LCD: 128X32, two lines, 16 digits on each line are shown

Flash memory: 1M x 16Bit

SDRAM memory: 2mX32 Bit

Power: in:100-240V AC, out: 12V DC, 1A

Battery : two AA 5 batteries which keep clock

3. Operating Environment

- Operating temperature: 0 °C to 45 °C (32 ° F to 113 ° F)

Storage temperature: -10 °C to 70 °C (14 ° F to 158 ° F)

Relative humidity: 10% to 90 %



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Introduction of basic functions

1. Characteristics of the Product

- Able to dial to phone numbers around the world and receive calls from around the world once connected to the Internet or service provider's IP network

- Supporting various types of connections to the Internet such as ADSL, DDN, Cable Modem, LAN, WAN, etc.

a.T108

- Providing two broadband (RJ-45) connection ports, 10M / 100M self-applicable

b.T 108A

- Providing one broadband (RJ-45) connections port, 10M / 100M self-applicable

c.T108v

• Providing two broadband (RJ-45) connection ports, supporting VLAN

• Penetrating multi-layers of Intranet and firewalls

• Flexible configuration

• Voice quality is as good as regular telephones

• Dialing and receiving call patterns just like regular phones, able to be used once connected

• Shown incoming call's phone numbers

• Able to call handfree and calling volume is adjustable, multiple phone rings can be selected

• Supporting multiple telephone functions such as 9 fast speed dialing, redial, flash, mute, etc.

• Supporting call transfer and three way call

• Address book can save 256 phone numbers for direct dialing

• Call record can record "received, dialed, and incoming but not received" records of 64 each. The numbers in the record can be dialed and saved in the address book

• 8 types of alarms

• decent figuration and portable

2. Technical specifications

(Regular customers can omit this session)

Software:

• Agreement: MGCP , sip ,H.323 , RTP/RTCP , DHCP , SDP, TCP/IP , PPPoE, NAT, Bridge, NAT/FW, etc.

• Voice coding method: G .711A /U , G.726-24 , G.726-32 , G.726-40, G .729 A /B

• Voice quality: G.165 echo elimination, mute inspection and formation of comfortable noise

• Software upgrade: FTP

Hardware:

• CPU: ARM7TDMI 66MHz 8KB Cache 32Bit BUS

• LCD: 128X32, two lines, 16 digits on each line are shown

• Flash memory: 1M x 16Bit

• SDRAM memory: 2mX32 Bit

• Ethernet connection port: one to two RJ-45 connection ports, 10/100 self-applicable or VLAN environment applicable

• Adapter: input AC 220V , input DC 6V, 1A (the telephone can only be used when it is connected to external adapter)

• Battery : 4 cells of AAA batteries (the telephone can be used when no batteries are installed. But the calling date and time will disappear when calls are disconnected.)

3. Usage Environment

- Usage temperature: 0 -45C

- Storage temperature: -10 to 70 C

- Humidity: 10 – 90%

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ISO 9001:2000



Cert. #801532



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4. Specially applied to:

- Telecommunication service providers and Internet Telephone Service Providers (ITSP)
- Big enterprises (applied to international and domestic long distance calling and/or enterprise's internal communications, mainly adopting the format of free calling each other)
- middle or small sized enterprises that have import or export businesses, such as international travel services, study abroad agencies, immigration agencies, etc.
- Foreign capital, joint-venture companies, foreign enterprise's offices, representatives, or agencies in China
- Hotels receiving foreigners (can be installed in guest rooms or business center or can be rented for use)
- Various level's government departments that often deal with foreign affairs, such as foreign trade departments, international friendship association, sports department, art and literature department, foreign expert bureau, foreign affair departments, etc.
- Universities and research institutes, such as joint-venture universities, foreign affair departments in universities or research institutes
- IP supermarkets, IP phone bars (mostly installed in areas where low income people, such as construction workers, students, etc. live)
- Individuals or family clients: for example, immigrant families, boarding families, student dorms, individuals who separate from family members for a long time because of work, individuals who often contact with family members or friends who live abroad
- International or domestic business travelers
- Broadband connected clients



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➤ Smart Phone



Brand new design of 5.7 inch extra large colorful screen 10 times larger than the normal ones, based on body engineering with a taste of luxury.

E-name cards were displayed within 2 seconds on dial, be easy facing each dial with pick-up options.

10,000 e-name cards storage in the telephone, check and dial the numbers by a single click.

With a hand-writing function, send group SMS by you telephone to a maximum of 100 persons.

The information desk function provides every day economic and current affair news.

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