



Company website



Wechat QR code



# LV Switches INC › SIP phone series › › IP internet phone ››

# Company introduction >

Headquartered in Foshan, Guangdong, China, LVswitches Inc. is a leading manufacturer for unified communication products and solution provider. With doctors who obtained their academic achievement in America, profound technology capability and thorough familiarity with the telecom sector, LVswitches has had its different research and understanding in IP unified communication and mobile internet.

With products series in: unified communication platform, IP PBX, IAD gateway, IP phone and IMS, LVswitches provides LVswitches has patents in core technologies and software copyrights in unified communication, and is also the international certificate holder of ISO 9001:2015, FCC, CE, RoHS, etc. With its own factory, LVswitches has research institutes and distribution of fices in Guangdong, Jiangsu and Ji'nan provinces as well as a research and development center in New Jersey, America. With endeavour in the long run, LVswitches has established steady and sustainable relationship with its global clients, products and services extending to countries and regions in the world.

With technology as the core, insistence in innovation and service, win-win relationship



**30** Years  
Industry experience

**100+**  
R & D personnel

**130+**  
National application deployment



# SIP phones series > Full view



SIP-T780

SIP-T790

SIP-T800



SIP-T520



SIP-T580



SIP-H680



SIP-S300

Linking people, IP phones make communication everywhere!

Before leaving the factory, every IP phone must be professionally tested by AM Audio Analyzer, to ensure the best audio and acoustic performance.

Model Parameters	SIP-T780	SIP-T790	SIP-T800	SIP-T520	SIP-T580	SIP-H680	SIP-S300
SIP accounts	2	4	8	2	4	2	2
LCD type	2.4 inch LCD Backlit display	2.4 inch color LCD display	2.8 inch color LCD display	2.4 inch LCD Backlit display	2.8 inch color LCD display	2.4 inch color LCD display	—
Resolution	132x64	320x240	320x240	132x64	320x240	240x320	—
Physical interface	<ul style="list-style-type: none"> <li>• 2 x RJ9 interface: Handle, headset</li> <li>• 2 x RJ45 ports: network port, PC port (bridge mode)</li> </ul>			<ul style="list-style-type: none"> <li>• 2 x RJ9 ports: headset, headset (monitor port)</li> <li>• 2 x RJ45 ports: network port, PC port (bridge mode)</li> <li>• 2 x 3.5mm interface: headset (side), foot switch</li> </ul>		<ul style="list-style-type: none"> <li>• 1x3.5mm interface: earphone</li> <li>• 1xType-C interface</li> <li>• 2 x contact charging pad</li> </ul>	<ul style="list-style-type: none"> <li>• 2 x RJ-45 ports: PoE network port, PC port</li> <li>• 1x RST button: report button</li> </ul>
Phone function	<ul style="list-style-type: none"> <li>• Handle/hands-free/headset mode, caller ID mode, call hold/mute/blind transfer/inquiry transfer, do not disturb, call transfer, call waiting;</li> <li>• Customize DSS key, hotline, speed dial, multicast, intercom, text message, keyboard lock, emergency call, redial, callback, auto answer, three-party conference, IP direct dial;</li> <li>• 10 built-in ringtones / upload custom ringtones, manual or automatic synchronization of network time, dialing rules, line sharing, 17 languages, address book, call history;</li> </ul>						<ul style="list-style-type: none"> <li>• Voice report number</li> <li>• 10W high-fidelity one-way speaker, enhanced version of echo cancellation;</li> <li>• Broadcast propaganda, multicast paging, black and white list</li> </ul>
Audio characteristics	<ul style="list-style-type: none"> <li>• HD high-fidelity sound quality: HD handle, HD hands-free;</li> <li>• Broadband codec: G. 722, Opus; • Narrowband codec: G. 711 (A/μ), G. 729 AB, G. 726, I LBC;</li> <li>• DTMF: In-band transmission (In-band), out-of-band transmission (RFC 2833), SIP INFO;</li> <li>• Full-duplex hands-free, echo cancellation (AEC), voice activity detection (VAD), comfort noise generation (CNG), packet loss compensation (PLC), background noise detection (BNE), Automatic gain control (AGC), dynamic adaptive RTP jitter buffer.</li> </ul>						
Network characteristics	<ul style="list-style-type: none"> <li>• SIP v1 (RFC2543)/v2 (RFC3261):UDP / TCP / TLS/SRTP;</li> <li>• IPv4 / IPv6 / IPv4&amp;IPv6 mode:IP Address allocation mode : Static IP / HDCP/CDP / LLDP/ VLAN/OpenVPN/IEEE802.1X;</li> <li>• HTTP/HTTPS/TR-069/SNTP/STUN/ICE;</li> <li>• QoS: 802.1p/Q tagging (VLAN), Layer3/ToS/DSCP.</li> <li>• Support WiFi 2.4G&amp;5G (SIP-T780W/T790W/T800W).</li> </ul>					<ul style="list-style-type: none"> <li>• Built-in dual-band Wi-Fi 2.4G &amp; 5G</li> <li>• Support 4G LTE full Netcom IoT SIM card</li> </ul>	Consistent network characteristics
Configuration management	<ul style="list-style-type: none"> <li>• Three configuration modes: web page, phone and automatic configuration;</li> <li>• Automatic update of FTP/TFTP/HTTP/HTTPS/PnP mode;</li> <li>• TR-069 network management, configuration export/import, network packet capture and diagnosis, factory restoration, firmware upgrade.</li> </ul>						
Operation system	Linux operating system						
scheme	Adopting the world's leading technology DSPG chip solution						
Power input/Consumption	Power:DC 5V、1A / Consumption:2~3W						10W
Working humidity/temperature	Humidity: 10~95% / Temperature: -10~50° C (+14~122° F)						



SIP-T780

Product model	Network	PoE	Power adapter	DSS module
SIP-T780	100M Ethernet port	X	✓	X
SIP-T780P	100M Ethernet port	✓	Optional	X
SIP-T780G	Gigabit ethernet port	✓	Optional	X
SIP-T780PK	100M Ethernet port	✓	Optional	✓
SIP-T780GK	Gigabit ethernet port	✓	Optional	✓
SIP-T780W	WiFi 2.4G&5G	X	✓	X



SIP-T790

Product model	Network	P o E	Power adapter
SIP-T790	100M Ethernet port	X	✓
SIP-T790P	100M Ethernet port	✓	Optional
SIP-T790G	Gigabit ethernet port	✓	Optional
SIP-T790W	WiFi 2.4G&5G	X	✓

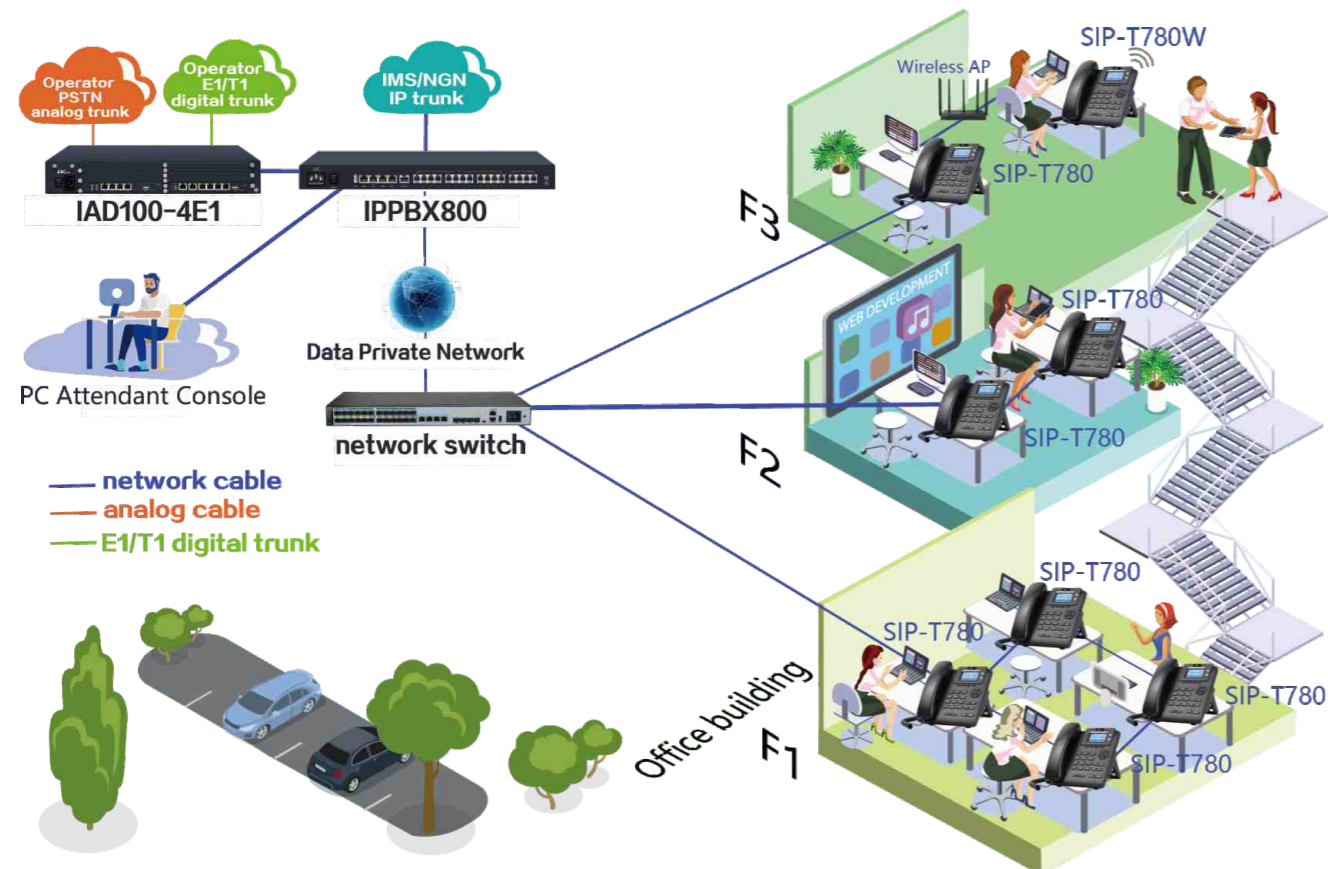
Characteristics

- Entry level IP telephone;
- 2 SIP account numbers;
- Two 10/100 M / 1000 Mbps ethernet ports.
- 2.4 inch black and white display screen with backlight;
- Configuration mode: web page, phone and automatic deployment;
- 1000 entries of address book, 1200 entries of call records;
- High-definition sound quality: HD handle, HD hands-free;
- Two desktop placing angle, with wall-mount installation;
- The network management can be unified through the TR-069 protocol;
- Support high security mechanisms such as SRTP and TLS encryption, AES security configuration files;
- Support Opus voice coding format;
- Support headset mode;
- Support WiFi 2.4G&5G;

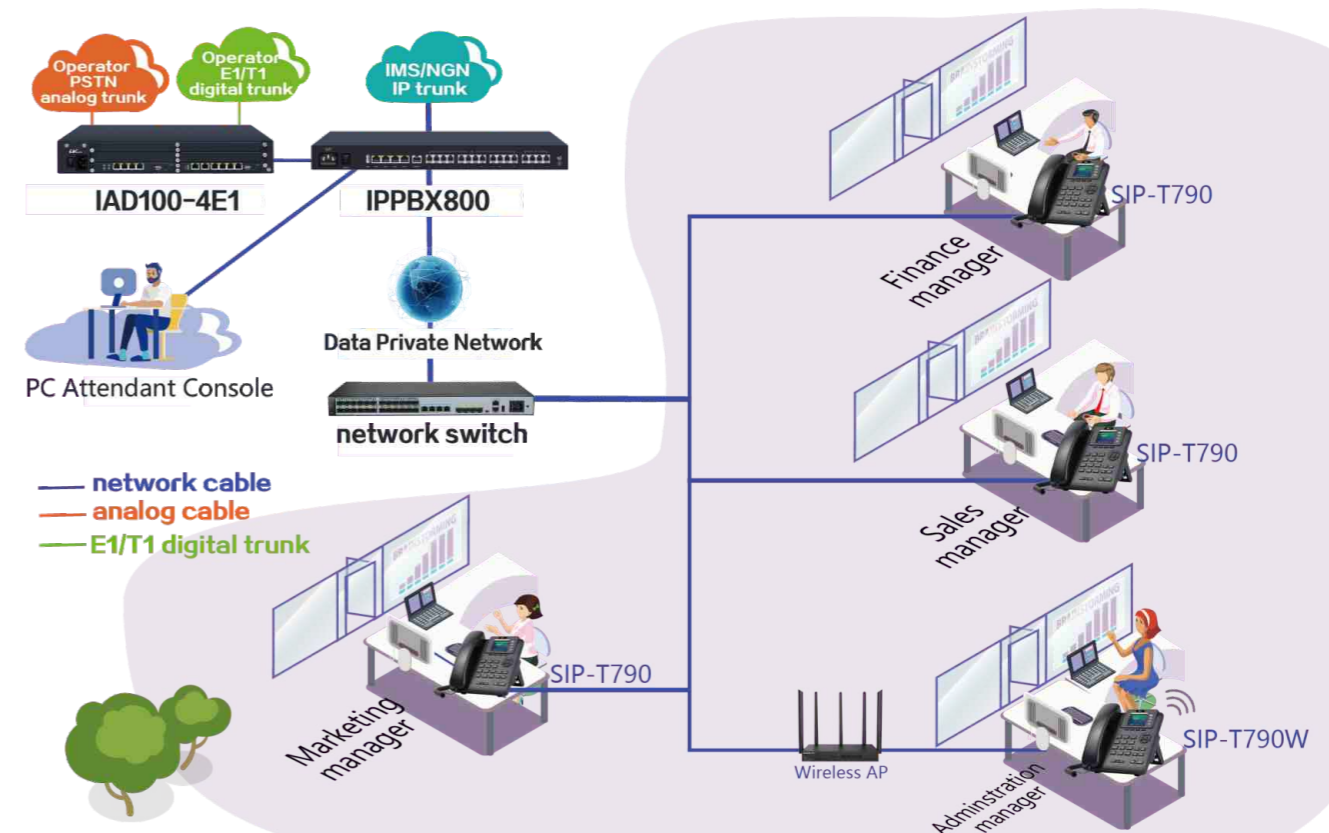
Characteristics

- Commercial-grade telephone;
- 4 SIP account numbers;
- 2.4 inch color liquid crystal display screen;
- High-definition sound quality: HD handle, HD hands-free;
- Support high security mechanisms such as SRTP and TLS encryption, AES security configuration files;
- Configuration mode: web page, phone and automatic deployment;
- Can upload the background pictures of the enterprise LOGO;
- Two desktop placing angle, with wall-mount installation;
- The network management can be unified through the TR-069 protocol;
- Two 10/100 M / 1000 Mbps ethernet ports.
- Support Opus voice coding format;
- 4 paperless programmable buttons;
- Support WiFi 2.4G&5G;

Enterprise Office Public Building Voice Resolution Plan



Solution plan for the official voice of the regional office of the enterprise





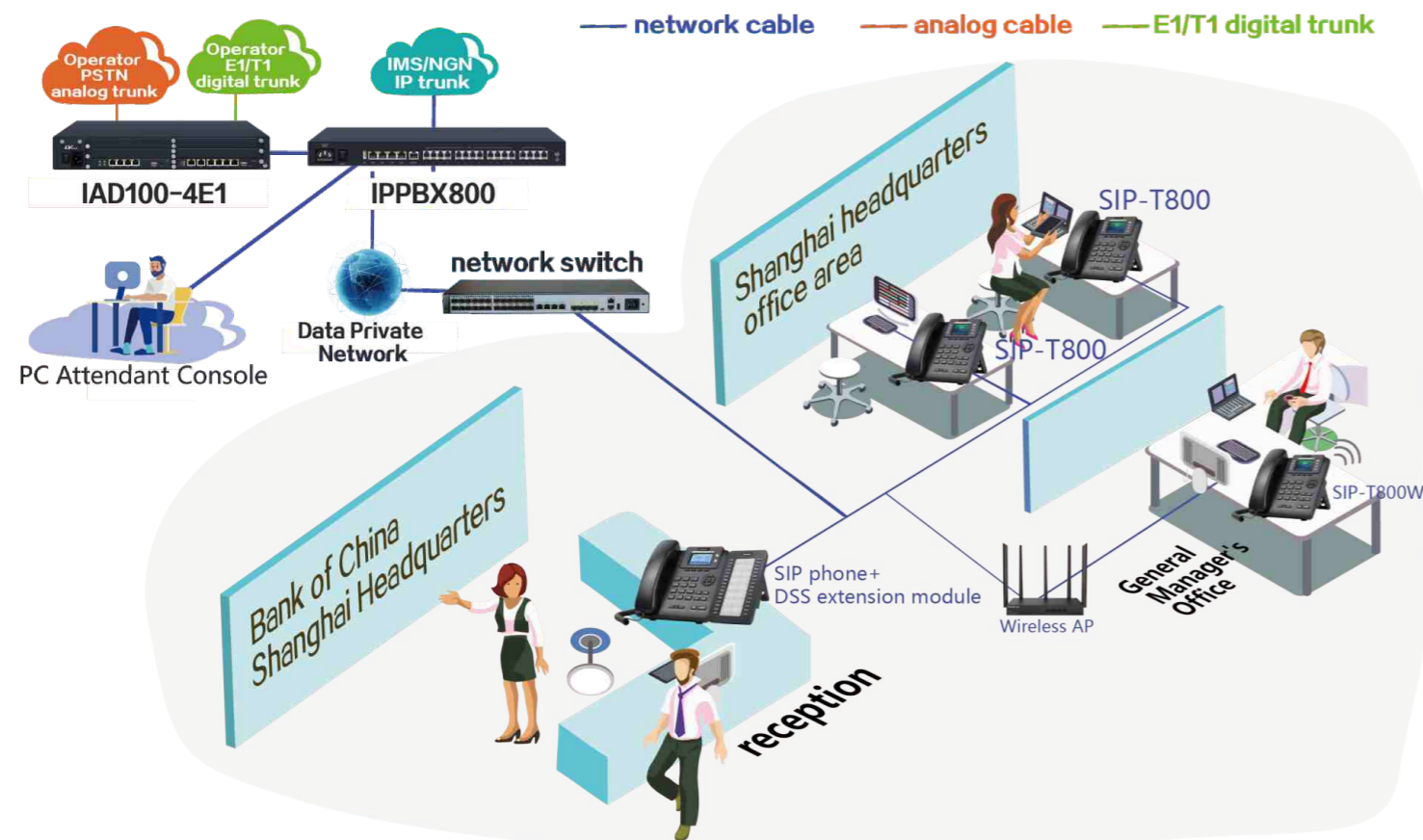
Product model	Network	PoE	Power adapter
SIP-T800	100M Ethernet port	X	✓
SIP-T800P	100M Ethernet port	✓	Optional
SIP-T800G	Gigabit ethernet port	✓	Optional
SIP-T800W	WiFi 2.4G&5G	X	✓

## SIP-T800

### Characteristics

- Commercial-grade telephone;
- 8 SIP account numbers;
- 2.8 inch color liquid crystal display screen;
- High-definition sound quality: HD handle, HD hands-free;
- Support high security mechanisms such as S R T P and T L S encryption, A E S security configuration files;
- Configuration mode: web page, phone and automatic deployment;
- Can upload the background pictures of the enterprise LOGO;
- Two desktop placing angle, with wall-mount installation;
- The network management can be unified through the TR-0 6 9 protocol;
- Two 1 0/1 0 0 M/1 0 0 0 Mbps ethernet ports.
- Support Opus voice coding format;
- 8 paperless programmable buttons;
- Support WiFi 2.4G&5G;

### Financial industry office voice solutions



### Compatible brands >





Product model	Network	PoE	Power adapter
SIP-T520	100M Ethernet port	X	✓
SIP-T520P	100M Ethernet port	✓	Optional

## SIP-T520

### Characteristics

- Entry-level seat phone;
- 2 SIP accounts;
- Call center's professional network agent phone;
- 2.4 inch black and white display screen with backlight;
- The appearance of the professional desktop attendant console and the humanized button design of the call center;
- The button with a two-color LED light to display the status of the function in real time;
- Equipped with an external pedal switch, it helps the wire-connector to handle the affairs quickly;
- Support the call center to automatically answer incoming calls and automatic outbound calls;
- High compatibility: compatible with mainstream call center/IPPBX/softswitch platforms.
- Support Opus voice coding format;
- Two 10/100 M bps ethernet ports;
- R J 9, 3.5mm headset dual interface design;



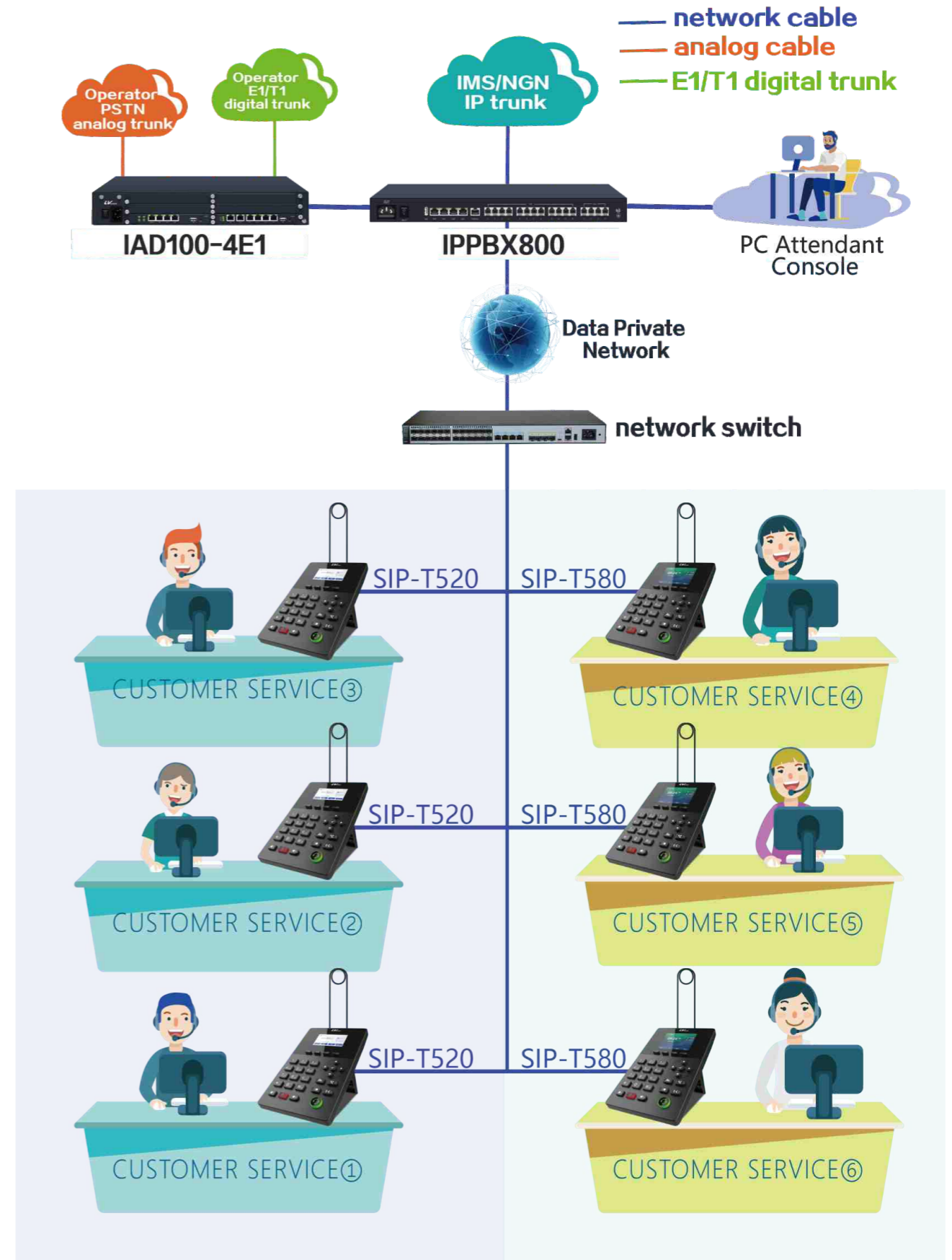
Product model	Network	PoE	Power adapter
SIP-T580P	100M Ethernet port	✓	Optional

## SIP-T580

### Characteristics

- Business level agent telephone
- 4 SIP accounts;
- Call center's professional network agent phone;
- 2.8 inch color liquid crystal display screen;
- The appearance of the professional desktop attendant console and the humanized button design of the call center;
- The button with a two-color LED light to display the status of the function in real time;
- Equipped with an external pedal switch, it helps the wire-connector to handle the affairs quickly;
- Support the call center to automatically answer incoming calls and automatic outbound calls;
- High compatibility: compatible with mainstream call center/IPPBX/softswitch platforms.
- Support Opus voice coding format;
- Two 10/100 M bps ethernet ports;
- R J 9, 3.5mm headset dual interface design;

## Enterprise after-sales customer service voice solution





Product model	Network	Power supply	Power adapter
SIP-H680W	WiFi	Built-in battery	✓
SIP-H680L	LTE	Built-in battery	✓

## SIP-H680

### Characteristics

- Support 4G LITE full Netcom sim card
- 2 SIP accounts;
- 2.4 inch color liquid crystal display screen;
- You can upload the background picture of the enterprise LOGO;
- It can be managed in a unified way through the TR-069 agreement;
- HD sound quality: HD earphone, HD speaker, support 3.5mm HD headset;
- HD high-definition audio: microphone echo cancellation, noise reduction technology;
- Configuration mode: web page, phone and PnP automatic deployment;
- Rich functions: call hold/waiting/transfer, three-party conference, address book (1000 entries), call history (1000 entries), multicast function, etc.
- Support Opus sound encoding format;
- Built-in dual-band Wi-Fi (2.4G & 5G) 802.11a/b/g/n;
- Qos: 802.11e and Layer 3 QoS (ToS, DiffServe, MPLS);



## SIP-S300

Product model	Network	P o E	Power adapter
SIP-S300	100M Ethernet port	X	✓
SIP-S300P	100M Ethernet port	✓	Optional

### Characteristics

- Ceiling type SIP speaker;
- 10 W high-fidelity one-way speaker;
- Support PoE / PoE + 10/100 Mbps network port;
- It can be managed in a unified way through the TR-069 agreement;
- External pickup module interface to realize two-way communication;
- Support full band and wideband audio codec, support Opus and G.722;
- Multi-function buttons: call, report IP address and extension number, restore factory;
- Suitable for schools, commercial cities, hospitals, firefighting teams, etc.;
- Rich functions: automatic answer, volume adjustment, black and white list, group broadcasting function, only allow trusted server calls, etc.
- Configuration mode: web page, automatic deployment;
- Qos: 802.11e and Layer 3 QoS (ToS, DiffServe, MPLS);

## School's integrated voice and sound broadcasting solution

