

## Professional Gigabit Phone with Color LCD

The T29G IP Phone is the most advanced model in the T2x IP terminal series. It has a high-resolution TFT color display, delivers a rich visual experience. Optima HD technology enables rich, clear, life-like voice communications. With advanced features like Gigabit Ethernet, a variety of device connections, including EHS headset, Bluetooth, WIFI and USB call recording, the T29G is a powerful business phone. With programmable keys, the IP Phone supports vast productivity enhancing features.



Optima  
HD Voice



Gigabit



Paperless



USB 2.0



IPitomy  
Provisioning



### Key Features and Benefits

#### New updated and improved model

IP Phones continue to evolve, the function of new SIP-T2 Series has become more advanced, the new user-interface with color display has become friendlier.

#### HD Audio

HD Voice technology combines cutting-edge hardware and software with wideband technology for maximum acoustic performance. The T29 comes with a hearing aid compatible (HAC) handset.

#### A rich visual experience for applications

The T29G supports vast productivity-enhancing feature such as XML Browser, BLF, call forward, call transfer, 3-way conferencing, the 4.3 inch backlit color display enables rich visual presentation and easier navigation of the menu. Three pages of 10 flexible buttons are shown on the display can be programmed up to 27 various features.

#### Advanced connectivity and expandability

For network connectivity, the ST29G comes with two Gigabit Ethernet ports, one of them suitable for Power over Ethernet. Supports a variety device connections, including EHS headset and USB. A built-in USB 2.0 port can also be used for Bluetooth, Wi-Fi and USB recording.

Supports up to 6 Expansion Modules, adding up to 240 additional buttons with a screen based LCD display and LED system.

#### Compatible with all IPitomy Systems

All IPitomy Systems can upgrade the software to include auto discovery and provisioning for the T48 phones as well as all T2 and T4 series phones.

- Optima HD voice
- Dual-port Gigabit Ethernet
- 4.3" 480 x 272-pixel color display with backlight
- Wi-Fi via WF40
- Bluetooth via BT40
- USB recording
- Up to 16 SIP accounts
- Paper label free design
- PoE support
- Headset, EHS support
- Supports expansion modules
- Stand with 2 adjustable angles
- Wall mountable (optional)
- Simple, flexible and secure provisioning options

### Audio Features

- > HD voice: HD handset, HD speaker
- > Codecs: G.722, G.711(A/μ), G.723, G.729AB, G.726, iLBC
- > DTMF: In-band, Out-of-band(RFC 2833) and SIP INFO
- > Full-duplex hands-free speakerphone with AEC
- > VAD, CNG, AEC, PLC, AJB, AGC

### Phone Features

- > 16 VoIP accounts
- > Call hold, mute, DND
- > One-touch speed dial, hotline
- > Call forward, call waiting, call transfer
- > Group listening, SMS, emergency call
- > Redial, call return, auto answer
- > 3-way conferencing
- > Direct IP call without SIP proxy
- > Ring tone selection/import/delete
- > Set date time manually or automatically
- > Dial plan
- > XML Browser
- > Action URL/URI
- > Integrated screenshots
- > RTCP-XR
- > USB port (2.0 compliant) for:
  - Bluetooth earphone through BT40,
  - Wi-Fi through WF40,
  - USB call recording through USB flash drive
- > Enhanced DSS Key

### Directory

- > Local phonebook up to 1000 entries
- > Black list
- > XML/LDAP remote phonebook
- > Intelligent search method
- > Phonebook search/import/export
- > Call history: dialed/received/missed/forwarded

### IP-PBX Features

- > Busy Lamp Field (BLF)
- > Anonymous call, anonymous call rejection
- > Voice mail
- > Music on hold
- > Message Waiting Indicator (MWI)
- > Call park, call pickup
- > Intercom, paging
- > Call completion, call recording
- > Flexible seating

- > Executive and Assistant
- > Centralized call recording
- > Visual Voice Mail

### Display and Indicator

- > 4.3" 480 x 272-pixel color display with backlight
- > 16 bit depth color
- > LED for call and message waiting indication
- > Dual-color (red or green) illuminated LEDs for line status information
- > Wallpaper
- > Multilingual user interface with icons and soft keys
- > Caller ID with name, number and photo
- > Power saving
- > Screensaver

### Feature keys

- > 10 line keys with LED
- > 10 line keys can be programmed up to 27 various features (3-page view)
- > 8 features keys: message, headset, conference, hold, mute, transfer, redial, hands-free speakerphone
- > 4 context-sensitive "soft" keys
- > 6 navigation keys
- > Volume control keys
- > Illuminated headset key

### Interface

- > Dual-port Gigabit Ethernet
- > 1 x USB port (2.0 compliant)
- > 1 x RJ9 (4P4C) handset port
- > 1 x RJ9 (4P4C) headset port
- > 1 x RJ12 (6P6C) EXT port:
  - Supports up to 6 Expansion Modules for an attendant console application
- > Power over Ethernet (IEEE 802.3af), class 0

### Other Physical Features

- > Stand with 2 adjustable angles
- > Wall mountable
- > External AC adapter (optional):
  - AC 100~240V input and DC 5V/2A output
- > Power consumption (PSU): 1.8-5.4W
- > Power consumption (PoE): 2.1-8.0W
- > Dimension (W\*D\*H\*T):
  - 244mm\*213mm\*185mm\*54mm
- > Operating humidity: 10~95%
- > Operating temperature: -10~50°C (+14~122°F)

### Management

- > Configuration: browser/phone/auto-provision

- > Auto provision via FTP/TFTP/HTTP/HTTPS for mass deploy
- > Auto-provision with PnP
- > Auto-provision with PnP
- > Phone lock for personal privacy protection
- > Reset to factory, reboot
- > Packet tracing export, system log

### Network and Security

- > SIP v1 (RFC2543), v2 (RFC3261)
- > Call server redundancy supported
- > NAT traversal: STUN mode
- > Proxy mode and peer-to-peer SIP link mode
- > IP assignment: static/DHCP
- > HTTP/HTTPS web server
- > Time and date synchronization using SNTP
- > UDP/TCP/DNS-SRV(RFC 3263)
- > QoS: 802.1p/Q tagging (VLAN), Layer 3 ToS DSCP
- > SRTP for voice
- > Transport Layer Security (TLS)
- > HTTPS certificate manager
- > AES encryption for configuration file
- > Digest authentication using MD5/MD5-sess
- > OpenVPN, IEEE802.1X
- > IPv6
- > LLDP/CDP/DHCP VLAN
- > ICE

### Package Features

- > Package content:
  - T29G IP phone
  - Handset with handset cord
  - Ethernet Cable (1.5m CAT5E UTP Cable)
  - Stand
  - Quick Start Guide
  - Power Adapter (Optional)
- > Qty/CTN: 5 PCS
- > N.W/CTN: 6.6 kg
- > G.W/CTN: 7.4 kg
- > Box size: 295mm\*224mm\*115mm
- > Carton Meas: 602mm\*308mm\*236mm

### Compliance

