

# VoIP!Phone™ Q-FONE-ALL

**A Full-Featured IP Phone and a Regular Analog Phone**

available in H323-compliant or SIP-compliant versions



- Use Q-FONE-ALL to make station to station telephone call over LAN or WAN (over VPN) or Internet with Call Hold, Call Transfer, and Call Forward features – Q-FONE-ALL supports SIP RFC3261 protocol
- When working with QiiQ Q-Regime, Q-FONE-ALL provides complete IP-PBX functions – you get all Centrex Features
- It is equipped with two 10/100BaseT Ethernet ports – Connect one to LAN and the other to a desk-top PC, and you can run CTI applications such as
  - Screen-Pop
  - Voice Mail Retrieval
  - Screen Dial and Call Pick-Up
  - Database Integration
- It readily interfaces with a Cable modem or an ADSL modem through PPPeE compliance
- It is complete with a high-quality Speakerphone, programmable keys, and feature buttons for Mute, Hold, Forward, and Transfer
- Its LCD display shows
  - Date and Time
  - Calling Party's Name
  - Calling Party's Number
  - Digits Dialed
- LED provides features and line status
- TELNET and LCD front panel provide local and remote configuration, management and software download – as System Administrator you have full centralized control

## Applications and Benefits

- Businesses with geographically-dispersed locations with existing LAN, WAN (over VPN), and Internet access can use Q-FONE-ALL to make station-to-station calls to great benefits
  - all station-to-station calls are FREE
  - Long Distance Calls to any telephone number can be made through Q-Regime at extremely low rates
- ISP can readily become an ITSP by deploying Q-FONE-ALL and QiiQ Q-Regime without large capital out-lay at little or no risk
- Small Office and Home Office need only use Q-FONE-ALL and QiiQ Q-Regime service to equip its business with full Centrex (PBX) features telephone service – no need to invest in a PBX or to use extra telephone company lines
- Using Q-FONE-ALL supported by Q-Regime, you can reduce your telephone service expense to the absolute minimum and achieve great savings

## Specifications

### Interface

- Two 10/100BaseT Ethernet ports with switch/hub inside
- One RJ-11 PSTN analog line interface
- Input Voltage 9 VDC (external AC input, DC output adaptor)

### Features

- ITU-T H.323 V3 protocol or SIP (RFC3261)
- PPPoE
- NAT (contact QiiQ for availability)
- Both fixed IP and DHCP
- FastStart and H.245 Tunnelling
- H.450 services (Hold, Transfer, Forward)
- Automatic Gatekeeper discovery
- Peer-to-peer mode (No Gatekeeper or Proxy Server needed) selection
- 2 x 24 dot-matrix LCD display: Time, Date, Caller ID, Call Duration
- Speakerphone and handset operation
- Ring tone, speaker, and handset volume adjustable
- 10 sets last number redial
- 12 number keypad: 0 to 9, # and \*
- 4 LCD operation keys: OK, C, LEFT, and RIGHT
- 10 function keys for memory dial or multi-line function
- 8 one touch function keys: Speaker, Redial, Mute, Hold, Transfer, Call Forward, PSTN, Message
- 5 LED indicators for system status: Speaker - Speaker phone working status, Message - Message indication, Link/Act - 10/100BaseT status, Hold - IP call put on hold, Mute - IP call in mute status, PSTN - selection between IP call and analog line call
- Enter IP phone and Gatekeeper IP address from keypad
- Configure dial path selection
- MS-Netmeeting v3.0 compatible
- QOS by setting TOS (Type Of Service) parameters of VoIP packet

### Audio Performance

- G.711 A/u-Law, G.723.1, G.729A (optional)
- VAD, CNG
- G.168/G.165 compliant echo cancellation
- Programmable dynamic jitter buffer
- Bad frame interpolation
- Complete voice band signaling support
- Both inband and H.245 / RFC2833 outband DTMF generation and detection
- Gain/attenuation settings
- Progress tone generation: dial tone, busy tone, call-holding tone, ring-back tone

### Management Features

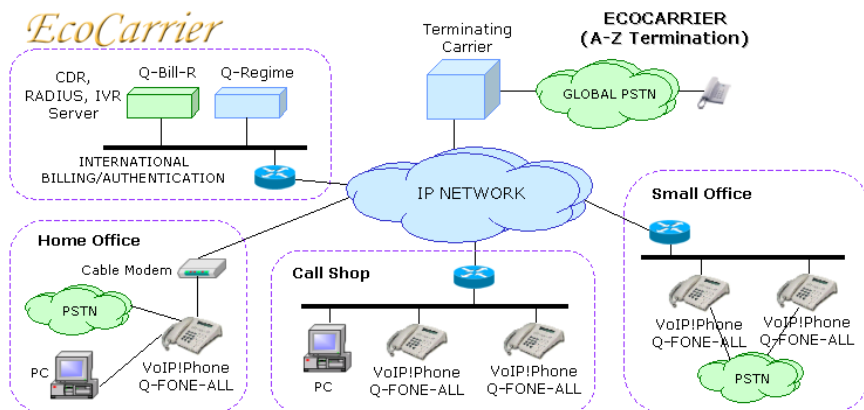
- TFTP/FTP download
- Two easy ways for system configuration: LCD panel, TELNET

### Environmental

- Humidity: 10 to 95 %, non-condensing
- Operational Temperature: 0 to 50 C
- Storage Temperature: -10 to 70 C

### Chassis

- Dimension: 215 mm (W) x 701 mm (H) x 198 mm (D)
- Weight (unit): 1.36 kg



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