

# Ultra-Elegant Gigabit IP Phone FUTURO 48

## Revolutionary SIP phone with a 7-inch Touch-Screen

- 7" 800 x 480-pixel touch-screen
- 29 one-touch DSS keys
- HD sound
- Message waiting lamp
- Dual Ethernet connection
- Power Over Ethernet
- 2 Adjustable angles
- Wall mountable

  
TELRADFUTURO



  
TELRADINTERNATIONAL  
THE FUTURE OF INTEGRATED COMMUNICATIONS

The Futuro 48 is the most recent innovative IP Phone for a fast-changing world. Designed specifically for both local and international use by business, industry and commerce, it incorporates a large touch screen that makes switching between different screens and applications swift, easy and convenient. The Futuro 48 offers Optima HD technology that very carefully creates the impression that you are sitting virtually face-to-face opposite the person at the other end of the call. The Futuro 48 is also built for the Gigabit Ethernet and facilitates very rapid call handling and the application of accessories such as a Bluetooth USB Dongle, plus wired and wireless headsets. The new IP Phone supports impressive productivity-enhancing features too which make it the natural and obvious efficiency tool for today's busy executives and professionals.

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## Audio Feature

HD voice: HD codec, HD handset, HD speaker  
Codecs: G.722, G.711 (A/μ), G.723, G.729AB, G.726, GSM, iLBC  
DTMP: 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

6 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

## 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

## Vision IP-PBX Features

Busy lamp field (BLF)  
Bridged line appearance (BLA)  
Anonymous call, Anonymous call rejection  
Remote office, hot-desking  
Message waiting indicator (MWI)  
Voice mail, Call park, Call pickup  
Intercom, paging, Music on hold  
Call completion, Call recording

## Display and Indicator

7" 800 x 480-pixel color touch-screen with backlight  
24 bit depth color  
LED for call and message waiting indication  
Wallpaper  
Intuitive user interface with icons and soft keys  
National language selection  
Caller ID with name, number and photo

## Feature keys

29 one-touch DSS keys  
7 features keys: message, headset, hold, mute, transfer, redial, hands-free speakerphone  
6 navigation keys  
Volume control keys  
Illuminated mute key  
Illuminated headset key  
Illuminated hands-free speakerphone key

## Interface

Dual-port Gigabit Ethernet  
Power over Ethernet (IEEE 802.3af), class 3  
Built-in a USB port, Support Bluetooth headset through USB Dongle  
1xRJ9(4P4C) handset port  
1xRJ9(4P4C) headset port  
1xRJ12(6P6C) EXT port:  
Supports up to 6 Expansion Modules for an attendant console application

## Other Physical Features

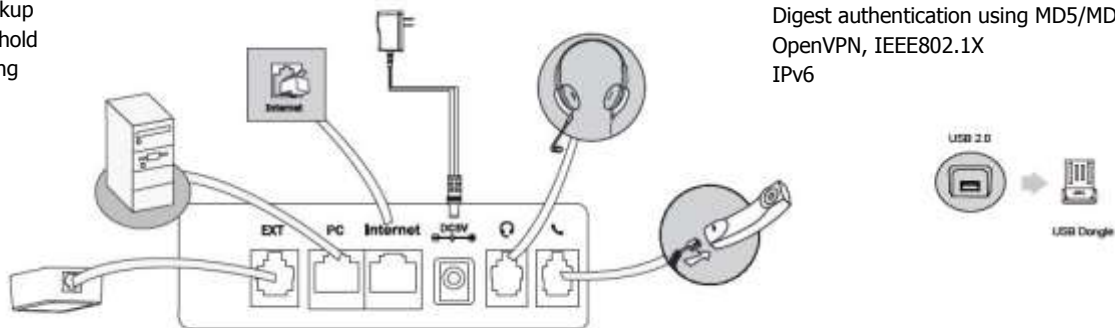
Wall mountable (optional)  
External universal AC adaptor (optional):  
AC: AC 100~240V input and DC 5V/2A output  
Power consumption: (PSU): 2.0-6.4W  
Power consumption: (PoE): 2.4-10.5W  
Dimension (W\*D\*H\*T):  
266mm\*226mm\*185mm\*54mm  
Operation humidity: 10~95%  
Storage temperature: -10~50 °C

## Management

Configuration: browser/phone/auto-provision  
Auto provision via FTP/TFTP/HTTP/HTTPS for mass deploy  
Auto-provision with PnP  
Zero-sp-touch  
Phone lock for personal privacy protection  
Reset to factory, Reboot  
Package tracing export, System log

## Network and Security

SIP v1 (RFC2543), v2 (RFC3261)  
Call server redundancy supported  
NAT transverse: STUN mode  
Proxy mode and peer-to-peer SIP link mode  
IP assignment: static/DHCP/PPPoE  
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, and DSCP  
STRP for voice and video  
Transport Layer Security (TLS)  
HTTPS certificate manager  
AES encryption for configuration file  
Digest authentication using MD5/MD5-sess  
OpenVPN, IEEE802.1X  
IPv6



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