HA9888TSD-IP(F12W)

2.4 GHz WiFi Ready Color Screen Office IP Phone

Intelligent Communication Device for Next Generation Network

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The world's first WiFi ready color screen ip solution.

2.4GHz 802.11b/g/n WiFi Ready, F12W is a new generation of enterprise-class color IP phone, 8 SIP accounts, 2.8-inch TFT color display, 8 soft keys, PoE optional, RJ9 headset. F12W can display 32 speed-dial keys / BLF extension keys directly on the screen, providing convenient communications experience to call a busy corporate office and management personnel. F12W excellent HD HD voice quality, rich and leading edge telephony system functions to provide users with personalized information customization, support automatic deployment, advanced security protection mechanism, compatible with a wide range of mainstream industry SIP / IMS platform.

The built-in internal antenna make user connect the network much easier and more quickly, user can not only connect F12W to the network by using a Ethernet cable, but also he/ she can connect F12W to the wireless network, the performance is the same as mobile phone. User can connect the wireless network on F12W's LCD or on phone's webpage. Details about the connections, please refer to F12W user manual.

Highlights:

- 2.4GHz 802.11b/g/n WiFi Ready
- Support SIP V2.0 (RFC 3261，3262，3263，3264)
- 2*10/100M RJ45 Port
- 320*240 TFT color screen
- 8 Lines supported
- 4 pages of customizable LCD screen
- 8 multi-function keys, 32 BLF icons
- Support for IEEE 802.3af Power over Ethernet (PoE) – Optional
- Auto Configuration- TFTP/HTTP/HTTPs/TR-069/SNMP

Functions:

Codec and Voice Features

The F12W supports 5 codec: G.711 (A-Law, U-Law), G.729A/AB, G.723 with 5.3 kbps and 6.3 kbps, iLBC and G.722 (HD).
The F12W supports VAD (Voice Active Detection), CNG (Comfort Noise Generation), AEC, ANC (Automatic Noisy Cancel), AGC (Automatic Gain Control) and adaptive Jitter buffer.

Call Features

8 lines, Call Waiting, Auto Answer, Music on hold, Caller ID and call waiting ID, 3-way Conference, Call Hold, Call Forwarding, Call Mute, Delayed Hotline , Redial, Call Transfer: blind transfer and attended transfer, Dial Plan, Phonebook, Black List, MWI, SMS, DND, Full-duplex Speakerphone Call log: redial list, answered calls and missed calls Volume Adjustment: Handset/Headset, Speaker and Ringer DTMF Relay: In-band, Out-band (RFC2833) and SIP INFO

Management

Menu Configuration, SNTP Time Synchronization, Daylight Saving Time, Alarm Clock, Password Reset, Web access management, Local and Remote Syslog (RFC3164), Factory Default, Firmware Upgradeable, Web Management Interface, Multi User Level, SNMPv2, TR069, Auto Provisioning: TFTP (including option 66), HTTP and HTTPS.

Applications

MAC Address Cloning, VPN: PPTP and T2TP, DMZ, Direct IP to IP calling, IP conflict detection, Built-in NAT Router, DHCP Server and Client,
Layer 2 QoS: 802.1Q/VLAN ID and 802.1p PRI
Layer 3 QoS: SIP QoS, RTP QoS and Data QoS
SIP proxy redundancy: dynamic via DNS SRV, A records
NAT Traversal: Static NAT Route and traversal by STUN Support PoE complies with IEEE802. with3af (optional)

Web Configuration

The F12W supports web configuration with MD5 authentication, and two level configurations which are admin mode and user mode. In admin mode user can configure all parameters, while in user mode user can only configure partly parameters with partly can't configuration such as VoIP settings

Cloud Platform Management

The F622C supports cloud platform management. By the device unique SN code, centralized Management will make the deployment , updating and remote management much more easier and fast, based on the standard TR069 protocol.

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Specifications

CHARACTERISTICS	
VoIP SoC	• CPU Core: MIPS 580Mhz
Flash	• 16M Flash
RAM	• 64M RAM
Display	• 320×240 -TFT color screen • Red color LEDs for call and message indication
Phone Keys	• 4 soft keys • 13 function keys: MENU, MUTE ,SMS, HOLD, Volume+/-, • Phone Keys • Transfer, 3-way conferencing, Hands free Redial and so on. • 5 navigate key • 12 Dialing Buttons (0~9, *, #), • 32 Multi-function keys
Power Supply	• AC/DC Adapter • AC Input: 100~240V, 50~60Hz • DC Output: 5V, 1A
I/O Interfaces	• 2 RJ-45 ports (Ethernet 10/100 Base-T) • 1 RJ9 earphone jack • 1 FXO port to connect PSTN line(only for L series) • 1 usb port • 2.4 GHz WiFi Connections • 802.11n 2T2R (Only for W series) • Support PoE comply with IEEE802.3af(optional)
Environmental	• Operation Temperature: 0~50 Degree C • Storage Temperature: -25~ 85 Degree C • Relative Humidity: 10%~90% No Condensing
Audio Feature	• G.711 (A-Law, μ-Law) • G.722（HD） • G.723.1 • G.729AB • G.726 • iLBC • Adaptive Jitter Buffer Management • Voice Activity Detection • Comfort Noise Generation • Echo Cancellation
Protocols	• SIP V2 (RFC 3261,3262,3263,3264) • SDP (RFC2327) • RTP/RTCP (RFC1889 and RFC1890) • NAPTR for SIP URI Lookup (RFC2915) • STUN (RFC 3489) • ARP/RARP (RFC 826/903) • SNTP (RFC 2030) • TFTP/HTTP/HTTPS for Auto Provisioning • DNS/DNS SRV (RFC1706 and RFC 2782) • IEEE802.1Q VLAN/802.1p and IP TOS • SNMPV2 • TR06（TR104/TR098/TR111）

Management	• Firmware Upgradeable • Web Management Interface • Password Management • Local and Remote Syslog (RFC3164) • Auto Provisioning: TFTP, HTTP and HTTPS • SNTP Time Synchronization • Multi User Level • Auto Provision • Support TR069 management mode
Call Features	• 8 lines • Auto Answer • 3-way Conference • Music on hold • Call Hold • Call Forwarding • Call Mute • Call Transfer • Call Waiting • Call Pickup • MWI • CID and CWCID • DTMF Relay: In-band, Out-band(RFC2833) and SIP Info • Full-duplex Speakerphone • Hotline • Redial • Dial Plan • Volume adjustment- handset/handfree/speaker/ringing
Phone feature	• Customized Ring Tone • SMS (100 records) • Call History (100 records) • Most Recently Missed Calls • Most Recently Received Calls • Most Recently Dialed Numbers • Phone book (500 records)
Size	• 8.8cm(L)*8.5cm(W)*3.7cm(H)
Weight	• 625g (No packet)

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