

Entry Level

Business Phone

UB600P • UB600G • UB600W



UB600P/G/W Entry Level Business Phone

The UB600 Series is a stylish and reliable entry-level IP phone designed to deliver exceptional voice quality and seamless business communication. Equipped with a 2.3-inch 132 × 64 dot-matrix display, 2 SIP lines, 6-way audio conferencing, PoE, and HD voice, it offers an intuitive user experience and dependable performance for modern workplaces. The series includes flexible connectivity options with Wi-Fi 6 (UB600W), dual Gigabit Ethernet ports (UB600G), or a cost-effective standard Ethernet solution (UB600P), making it an ideal choice for a wide range of business environments.



Highlights

- Support audio codec G.722 and Opus, HD audio on speakerphone and handset.
- Fast Ethernet - 600P/W: 10/100 Mbps and 600G: 10/100/1000 Mbps Gigabit Ethernet, with integrated PoE.
- HAC HD voice handset and full duplex hands-free speaker hardware configuration to provide users with an outstanding audio experience.
- 2.3-inch 132x64 pixel dot-matrix screen.
- Support 6-way Audio Conference.
- Compatible with EHS headset.
- UB600W: Built-in 2.4GHz/5GHz Wi-Fi , supporting Wi-Fi 6

Datasheet



Generic

2.3-inch 132x64 pixel dot-matrix screen (No backlight)
2 SIP lines
HD voice
PoE enabled
Handset / hands-free / headset mode
Desktop Stand / Wall-mounted (optional)
Optional external power supply
Handset with Hall-effect Sensor Switch

Phone Functions

Local Phonebook (1000 entries)
Remote Phonebook (XML/LDAP/Broadcast)
Call logs (In/Out/Missed, 1000 entries)
Blocked List/Allowed List
Screen saver
Voice Message Waiting Indication (VMWI)
Programmable DSS/Soft keys
 Network Time Synchronization
 Built-in Wi-Fi,supports Wi-Fi 6
 ➤ 2.4GHz, 802.11 b/g/n/ax
Support Poly wireless headset (Through Poly APD-80 EHS Cable)
Support Jabra wireless headset (Through EHS20 EHS Cable)
Support Recording (Through Server)
Action URL / Active URI
XML Browser
uaCSTA
Customize Incoming Call Ringtone
Time Plan (timed reboot/timed forward/timed upgrade/timed config)
Hidden DTMF
Ring From Headset

Call Functions

Call out / Answer / Reject
Mute / Unmute (Microphone)
Call Hold / Resume
Call Waiting
Intercom
Caller ID Display
Speed Dial
Anonymous Call (Hide Caller ID/Ban Anonymous call)
Call Forward (Always/Busy/No Answer)
Call Transfer (Attended/Unattended)
Call Parking/Pick-up (Depending on server)
Redial
Call Back
Predial
Do-Not-Disturb (DND)/Timed DND
Auto-Answering
SIP SMS
Voice Message (On server)
6-way Audio Conference
Hot Line
Hot Desking
Direct IP call without SIP proxy

Fuzzy Search Call
Action Plan
Dial Plan
Call Completion/Auto Redial
Primary and Backup SIP Servers
Default Ext Line
Multicast

Audio

HD Voice: HD handset, HD speaker
Wideband ADC/DAC 16KHz Sampling
Narrowband Codec: G.711a/u, G.723.1, G.726, G.729,G.729A,G.729B,G.729AB, iLBC
Wideband Codec: G.722, Opus
Full-duplex Acoustic Echo Canceller (AEC)
Voice Activity Detection (VAD) / Comfort Noise Generation (CNG) / Background Noise Estimation (BNE) / Noise Reduction (NR) / Automatic Gain Control (AGC)
Packet Loss Concealment (PLC)
Dynamic Adaptive Jitter Buffer
DTMF: In-band, Out-of-Band (RFC2833/ SIP INFO)
VQM voice quality monitoring

Network

Physical: 10/100/1000 Mbps Ethernet, dual bridged port for PC bypass
IP Mode: IPv4/IPv6/IPv4&IPv6
IP Configuration: Static IP / DHCP / PPPoE
Network Access Control: 802.1x
VPN: L2TP / OpenVPN
VLAN
LLDP
QoS
RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)
DNS-SRV (RFC 3263)
Support Redundant Servers
Agent
https Mutual Authentication
Wi-Fi Security Mode : WPA/WPA2-PSK/802.1X EAP

Protocols

SIP v1 (RFC2543) v2(RFC3261) UDP/TCP/TLS
RTP/RTCP/SRTP(Optional/Compulsory)
STUN
DHCP
IPv6
LLDP
PPPoE
802.1x
802.1p
L2TP
OpenVPN
SNTP
FTP/TFTP
HTTP/HTTPS
TR-069
AES128 & AES256

Deployment & Management

Auto-Provisioning via
FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP
PNP/TR-069
Screenshot
Web Management Portal
Web-based Packet Dump
Configuration Export / Import
Phonebook Import/Export
Firmware Upgrade
Syslog
Network Firewall

Physical Specifications

LCD: 132x64 pixel dot-matrix screen
Keypad: 32 keys, including
8 Function keys (Hold/Transfer/Voice message/Conference/Phonebook/Headset/Redial/Hands-free)
4 Soft-keys
4 Navigation keys
1 OK key
12 Standard Phone Digits keys
3 Volume Control keys (Up/Down/Mute (Microphone))
HD Handset (RJ9) x1
Handset with Hall Switch
Standard RJ9 Handset Cord x1
1.5M CAT5.E Ethernet Cable x1
Desk Stand x1
Status Indicator Light x1 (Red)
RJ9 Port x2: Handset x1, Headset x1
RJ45 Port x2: Network x1, PC x1 (Bridged to Network)
Security Slot x1
Power: DC5V / 1A or PoE
POE complies with the IEEE 802.3af standard
Power adapter (optional): Input:100-240VAC~50/60Hz
Output:5V/1A
Working Temperature: 0~45°C
Working Humidity: 10~95%
Power Consumption (Adapter): 0.91~1.61W
Power Consumption (PoE): 1.40~2.18W
Installation:
Desktop Stand
Wall mountable (optional)
Device Dimensions:
Desktop Stand (40°):
178x190.98x170.89 mm
Desktop Stand (45°):
178x179.7x178.74 mm
Wall mountable:
178x101.89x215.94 mm
Gift Box Dimensions: 250x220x55mm
Outer CTN Dimensions: 460x300x270mm (10 PCS)