

MAKSAT WLAN VoIP Phone



The maksat Color Wi-Fi IP Phone for indoor home and outdoor Wi-Fi Wireless City application and also enterprise application, you can enjoy the low cost wireless broadband mobile VoIP Voice and Internet ISP services at thousands of hotspots around the world – in cafés, airports, libraries, company, factory, school and hotels; or use it in the office, at home, or even on outside streets.

With its revolutionary technologies, the Wi-Fi IP Phone's cell-phone-quality performance brings the user experience to the next level. While benefiting from the cost-saving VoIP services, the AWIPH82Color Wi-Fi IP Phone users are to enjoy the freedom of wireless connectivity and true mobile experience.



Wireless Characteristic

- Signal type : 802.11b/g
- Data Rate : 1, 2, 5.5, 6, 11, 12, 22,24,54 Mbps
- Operating Frequencies:
 - USA/Canada: 2.412 GHz-2.462 GHz (11 channels)
 - Europe: 2.412-2.472 GHz (13channels)
 - Japan: 2.412-2.472 GHz and 2.484 GHz (14 channels) 2833)

VoIP Protocol

IETF SIP (RFC3261)

LCD Display

- LCD Type: TFT-LCD
- Display size (Diagonal): 1.8 inch
- Display Color: 262.144 colors
- Format: 132RGB x 176-dot graphics display on TFT LCD

LCD

- Display type: Transflective
- Backlight: LED

Key Pad

23 keys

Connector Interface

18 pins connector for power charging and data transmitting

Call Features

- Call Hold (melody or tone)
- Call Mute
- Call Retrieve
- Call Transfer (Unattended / Blind & Attended)
- Call Waiting
- Call Forward (Busy / No Answer / Unconditional)
- Caller ID Display
- Caller ID Blocking
- Anonymous Call Blocking
- Out-of-band DTMF (RFC)
- Message Waiting Indicator
- 3-way Conference
- Redial
- Full duplex Speaker Phone

Codec

- G.711 μ -law
- G.711a-law
- G.723.1 (5.3k)
- G.723.1 (6.3k)
- G.729a/b

SECURITY

- WEP (Wired Equivalent Privacy) 64bit & 128bit
- WPA (WiFi Protected Access)
- ACL (Access Control List)

NETWORKING

NextGen Series supports bridge, static routing and dynamic routing features.

FIREWALL & NAT

NextGen series supports advanced firewall and NAT monitoring interface, providing a turnkey solution for advanced and novice network

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Link Diagram





APPLICATIONS

High-bandwidth Last Mile

Access:

Use NextGen series to deliver the low latency and dedicated bandwidth to enterprise users.

Backhaul to Central NOC:

Avoid expensive installation and recurring charge of a second wire-line backhaul to the NOC.

Inter-POP Redundancy:

Avoid downtimes caused by a wire-line backhaul failure by adding a NextGen link as inter-POP redundancy.

Repeater:

Extend distance or overcome

For further details:

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Phone Functions

- Ring tone/Vibrator switch
- Key lock
- Pre-dial before sending
- Handset / Speakerphone Volume Adjustment
- Speed dial (10 records)
- Phone book (200 records)
- Call history (Incoming calls / Outgoing calls / Missed calls)

Advanced Applications

- JAVA virtual machine for JAVA applications
- JAVA OTA supported for applications download
- Organizer
- Tools
- Message

SIP Server Support

- Registrar Server (setting from web)
- Outbound Proxy (setting from web)
- Hardware AES

Security

- HTTP 1.1 basic/digest authentication for Web setup
- MD5 for SIP authentication (RFC 2069/ RFC 2617)
- IEEE 802.1x, 802.11i
- Wired Equivalent Privacy (WEP) 64/128 bit encryption, WPA
- SIPS, sRTP

Dial Methods

- Direct IP call without SIP registration
- Dial registered number via SIP server
- Dial URI from phone book / speed dial

Voice Quality

- VAD (Voice Activity Detection)
- CNG (Comfort Noise Generation)
- AEC (Acoustic Echo Cancellation) G.168
- Jitter buffer

QoS

- ToS field

Tone

- DTMF
- Ring Tone, 32 polyphonic tones + MP3
- Ring Back Tone (local and remote)
- Dial Tone
- Busy Tone
- Key Tone (Beep/DTMF)

IP Assignment

- Static IP
- DHCP
- PPPoE

NAT Traversal

- UPnP
- STUN

TCP/IP

- IP/TCP/UDP/DHCP/RTP/RTCP/ICMP/HTTP/SNTP/TFTP/DNS

Configuration

- Key & LCD configuration
- Web browser configuration
- Auto/Manual provisioning system

Firmware Upgrade

- TFTP / FTP / HTTP
- Auto/Manual provisioning system
- Power Management
- 802.11b/g compliant power management and enhanced power management

Charger

- Input AC 110-220V
- Output DC 5V 1.4A

Power Supply

- Rechargeable battery: 3.7V, 1050mAh Li-Polymer
- Talking time: 4 hours
- Standby time: 70 hours
- RF output power: 32mW

Environmental

- Operating temperature: 0;ã40cJ
- Storage temperature: -20;ã60cJ
- Operating humidity: 20%;ã80%

Physical Dimensions

- Size: 105(L) x 45(W) x 19(H) mm
- Weight: 100g
- Color: Silver

Certification Compliance

- FCC Part 15 Class B
- CE Class B
- VCCI Class B, TELEC
- EN60950