Denwa
UNIFIED COMMUNICATIONS

UC PHONE
DW-820G

- **Android**
- **HD** **HD Voice**
- **Bluetooth**
- **HDMI**

DW-820G is an Android-based multimedia terminal with a 7" touch screen and a 2M CMOS sensor camera. It supports H.264/H.263 codec with adaptive bandwidth adjustment. The 7" touch screen offers excellent user experiences such as high quality videophone, smooth internet surfing, various Android Apps and daily information.

Web RTC

MAIN FEATURES

- 7 inch capacitive touch screen TFT LCD, 1024*600 pixels.
- 2M pixels CMOS camera with privacy shutter.
- Dual switched 10/100/1000Mbps Ethernet ports, supporting IEEE802.11af and IEEE802.az Energy Efficient Ethernet.
- Built-in Bluetooth, USB feature.
- Android 4.2 Operating System and support Android API for the 3rd party Android application installation.
- Voice and Video Codec : G.711 A/U, G.722, G.723, G.729AB, OPUS, ILBC, AMR-NB, AMR-WB, H.263, H.264.
- Protocol: SIP RFC3261, TCP/UDP/IP, PPPoE, RTP/RTCP, HTTP/HTTPS, etc.
- Auto Provisioning: FTP/TFTP/HTTP/HTTPS.
- Denwa Cloud Auto-Provisioning.
- Auto-Provisioning without DHCP.
- Auto-Provisioning, Zero Configuration.
- Interoperable with BroadSoft by the BroadWorks SIP interface.

www.denwaip.com

🖥 **Systems Specifications**

Video Features

- Video Codec: H.263 - H.264.
- Video Solution: QCIF, CIF, VGA, 4CIF, 720P.
- Video Bitrate: 64kbps-2Mbps.
- Adaptive Bandwidth Adjustment.
- Video Character: PIP, Full Screen, Local Video ON/OFF Control.
- Image Codec: JPEG, GIF, PNG, BMP.

Audio Features

- Video Codec: H.263, H.264.
- Wideband Audio Codec: G.722.
- Narrowband Audio Codec: G.711 A/U, G.722, G.723, G.729AB, OPUS, ILBC, AMR-NB, AMR-WB, H.263, H.264, Silk.
- VAD.
- CNG.
- Echo Canceller G.165/G.168.
- Full-Duplex Speakerphone
- 4 DTMF modes: RFC2833,In-Band, SIP INFO, Auto.

Management

- Firmware Local Update:USB Flash Disk.
- Firmware Remote Update: FTP method.
- Auto Provisioning Using FTP/TFTP/HTTP/HTTPS.
- Denwa Cloud Auto-Provisioning.
- Auto-Provisioning without DHCP.
- Zero Configuration.
- System Log Export.
- Restore To Factory Default.
- Configuration Managements Via LCD.

Phone Features

- Android 4.2 Operation System.
- Support 6 SIP accounts.
- Call Waiting.
- Call Transfer.
- Call Hold.
- Mute.
- Redial.
  Speed Dial.
- Direct IP call.
- 6-Way Conference.
- DND (Do Not Disturb).
- Volume Adjustable.
- Ring Tones Selectable.
- Multi-Languages Support.
- Default Apps: Phonebook, Weather, Google Play, Digital Photo Frame, Stock, News Feeds, Calendar, World Clock, Alarm Clock, Email, Camera, File Browser, Games.
- 3rd Party Android Applications.
- Shortcut key.
- Caller ID
- Call time
- Display name
- BLF (Busy Lamp Field)

Network and Security

- SIP V2(RFC3261).
- UDP/TCP/IP.
- RTP/RTCP.
- ARP/RARP.
- NAT Traversal: Static NAT configure, SIP Keep Alive.
- IP Assignment: Static IP, DHCP, PPPoE.
- NTP For Auto Time Setting.
- Network Packet Capture.
- TFTP/FTP/HTTP/HTTPS Client API.
- QoS: Layer 2 (802.1Q, 802.1p) and Layer 3 (ToS, DiffServ).
- HTTPS.
- MD5 and MD5-sess Based Authentication.
- Access for Administration.
- 802.1 VLAN: WAN & LAN.
- MAC Address: WAN & LAN.
- IPv4 & IPv6

Directory

- Local Phonebook up to 3000 Groups.
- Phonebook with Contact Picture.
- Favorites.
- Blacklist.
- Call Logs: 600 Entries (200 Missed Calls; 200 Dialed Calls; 200 Received Calls.).
- LDAP.
- Intelligent Search Method.

Physical Features

- 7 Inch Capacitive Touch Screen, Resolution 1024*600, 16:9 Wide Screen Aspect Ratio
- 3 LED Lights (1 Power Light, 1 Network Light, and 1 Message Light)
- 28 Keys
- RK3066 Chipset
- Flash Memory 8GB
- 1GB DDR3 Memory
- Foot Stand, multiple positions.
- 2M Pixels CMOS Camera, Free Rotation RJ9
- Handset
- 3.5mm Headset jack, compatible with Plantronics, Jabra standard headset.
- 2 RJ45 10/100/1000M Ethernet Jacks Energy
- Efficient Ethernet: IEEE802.3az Power over
- Ethernet: IEEE802.3af Bluetooth
- 1 USB 2.0
- 1 HDMI Video Out Port
- AC Power Adapter: Input: AC 100-240V, 50Hz 12V/1A Output
- Dimensions: 240*192*106mm
- Operating Temperature: 32° ~ 122°F (0~ 50°C)
- Storage Temperature: -4°~ 158°F (-20 ~ 70°C)
- Operating Humidity: 10% to 90%
- Storage Humidity: 10% to 90%
- Power consumption (approx.): 12W Weight (approx.): 1.4kg
- Giftbox Size: 255*198*128mm
- Position support
- Acrylic cover ABS black