

Function

- VXWORKS Operating System
- Support SIP2.0 (RFC3261) and other relating RFC
- SIP supports 2 SIP servers, and a backup SIP proxy server
- Support SIP UDP / TCP/TLS
- SIP supports SIP or SIP authentication (none, BASE64, MD5), server usage or name, point-to-point IP call

Display

- Display resolution: 128x48 pixels

Characteristics

- Large-screen LCD and soft keys make it easier for users to use
- Software is programmable
- Support RJ09 earpiece (Optional)
- Multi Language Display

Audio function

- Hd voice: HD Handle
- Codec: G.711A/U, G.723.1 high/low, G.729AB, G.722, G.726-32
- DTMF: in-band, RFC2833 and SIP Info
- Handsfree full duplex, supporting echo cancellation
- Mute Detection (VAD)

- Noise Cancellation (CNG)
- Background Noise Control
- Silent mic
- SRTP
- Self Adapting jitter buffers

Advanced features

- Forward call (Busy/No Answer/ Unconditional)
- Transfer call (Not attended/ Attended / Attending)
- On hold call
- Waiting call
- 3 way Conferencing
- Call Injection
- Call vie to pick up
- Waiting on the line
- Redial
- Call Back
- Automated Redial
- Completion of call message
- Pre redialing
- SIP message
- Voice message
- Flexible failing rules
- Exemption Limit
- Do not disturb
- Automatic response
- Caller ID
- Reject an anonymous call
- Anonymous call

- Unregistered call
- Call records missed calls / calls / outgoing calls, each supporting 300 records
- Telephone book: Up to 500 records
- Speed Dial
- Hotline
- Call reject
- Black list/ white list
- Intercom
- Password dialing
- Hiding of DTMF
- Action URL/active URI
- Each SIP line owns their own voice code
- Multicast application
- LDAP Enterprise address book
- XML internet phone book
- Web dial
- Keyboard lock
- Emergency call

Network/ Security

Features

- WAN/LAN: 10/100M Ethernet Port
- Bridging and routing mode
- PPPoE for xDSL
- 802.3af PoE (Optional)
- VLAN 802.1Q/P (Voice/Data VLAN)

- 802.1X
- NAT(NAPT)
- NAT penetration: Support STUN
- WAN supports DHCP client
- LAN supports DHCP server
- Main DNS and supporting DNS server
- DNS relay
- SNTP client
- Firewall and DMZ
- Web management page to change access restriction
- VPN (L2TP/OpenVPN)
- Ping, tracers, telnet

Management and Maintenance

- Web page, telnet and LCD menu management
- Different account's rights management
- Restore the firmware by POST, restore back to factory settings
- HTTP, HTTPS, FTP, TFTP upgrade firmware and documents
- DHCP option66 and customisation options are automatically configured
- Download encryption configuration file (AES 256)
- TR-069 and Syslog

Physical Specification

- Adapter input: AC 100–240V
- Adapter output: DC 5V/1A
- WAN port – 10/100 BASE–T RJ–45 connected to the LAN
- LAN port – 10/100 BASE–T RJ–45 connected to PC
- Ear piece port: RJ–9 (Optional)
- Power consumption: idle : 2.5W working: 2.8W
- Screen resolution: 128x48 pixels
- Operating temperature: 0~40°C
- Relative humidity:10~65%
- Main Chipset: Broadcom
- SDRAM: 16MB
- FLASH: 4MB
- Packaging details:
 - weight: 0.84KG
 - size: 250x205x60mm