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- Call relay, Call waiting, Caller
- ID Detection
- Voice mail
- Call park, Pickup, Paging, Intercom
- Multilevel auto attendant with Interactive
- Voice Response (IVR) and VoiceXMLv2 support
- Voice mail with SMS notification
- Distinctive ringing
- Speed dialing
- Many extension ringing
- Receptionist
- Call hunting, Hiding Caller ID
- Automated Call back from Auto
- Attendant
- Hold music
- Call statistics
- Do Not Disturb
- Global speed dial
- Find me/Follow me
- Unified messaging
- 3-way conferencing
- Hotline service
- T.38 fax, fax relay and clear channel fax
- Unified Fax Messaging
- Busy auto-redial
- Directory assistance
- Dial plans (call routing)
- Time of day routing
- Call Queue
- Voice Mail profile
- Automatic Call Distribution
- Conference Server
- Call Recording
- Barge-in \*Requires a software license key

## Supported VoIP Data and Signaling Protocols

- SIP, SIPS/TLS (RFCs: 2246, 3261, 3263, 3265, 3311, 3323, 3324, 3325, 3428, 3515, 3578, 3581, 3725, 3842, 3856, 3863, 3891, 3892, 4028, 4235)
- SDP (RFC: 2327, 4568)
- RTP (RFCs: 1889, 1890, 2833, 3389, 3550, 3551, 3555, 3711, draft-ietf-avt-rfc-2833bis-05, draft-ietf-avt-rtp-ilbc-o5),
- Fax over IP (ITU-T: T4, T30, T38, V17, V21, V27 ter, V29)
- Voice Coding (ITU-T: G711, G.726, G729)
- Annex A, RFC 3951 :iLBC; IETF;ITU-T Q.23, Q.24, Bellcore GR.506, GR.181; ITU-T G.168-2000, 2002; ETS\_300659\_1,2,3)
- ISDN (ITU-T: Q.921, Q.931 (DSS1), Q.951;ETSI ETS300 102 (NET5); NTT INS1500 for Japan)

## POTS

- Loop start, FSK and DTMF Caller ID support

## DTMF

- In band & out of band signaling support

## Physical interfaces

- Premise connections: 2 FXS short-loop FXS ports (RJ-11) 1 LAN Ethernet 10/100 BASE-T port (RJ-45)
- Uplink connections: 1 WAN Ethernet 10/100 BASE-T (RJ45)
- Uplink connections: 6 ISDN BRI ports to the Central Office or local PBX (RJ45), NT and TE modes supported
- Audio port connections: Line-in/Line-out (Line-in Signal Level- 0,5 V RMS, Line-out Load Resistance -600 Ohm to 10K Ohm)

## Phones

- IP phones: 32 SIP phones by default 64 additional SIP phones may be added with feature keys All SIP phones can be connected both from LAN or WAN side Plug-and-Play with select IP Phone manufactures
- Analog phones: 2 Analog phones (or other analog devices) to connect via FXS ports

## Auto Attendants and Virtual Extensions

- Auto Attendants: Up to 200 standard and custom AA can be registered
- Virtual Extensions: Up to 200 Virtual Extensions can be registered\*

## System Capacity

- Up to 45 simultaneous VoIP calls with external parties Unlimited station to station calling for IP phones Unlimited station to station calling for analog phones 12 ISDN calls with external parties
- \*The total number of extensions used for IP phones, Analog phones, AA and virtual extensions can not exceed 200 extensions.

## External Storage

- Compact Flash

## Management

- Multilingual WEB interface accessible from LAN and WAN (HTTP/HTTPS)
- Password control Remote diagnostics and software upgrade
- Auto-provisioning
- VoIP Carrier Wizard
- Download/restore configuration
- Legible and editable configuration files
- Auto-configuration of IP phones via TFTP and HTTP
- SNMP Monitoring and Configuration
- Third Party Call Control XML RPC
- Reset button with factory reset option

## Custom Language Pack

- Billing Radius Client (RFC3280, 2865, 2866)

## Diagnostics/Testing

- LEDs: Busy, Info, Fault, LAN, WAN, Loop settings Remote testing

## Internet

- STUN/NAT traversal (RFC 3489) IPSec VPN with 3DES and AES encryption in tunnel mode. Manual and automatic IKE key support
- PPTP VPN
- L2TP VPN
- Firewall security via: Intrusion Detection System NAT (Network Address Translation) Policy and service-based filtering Stateful inspection firewall
- DHCP server on the LAN side
- DHCP client on the WAN side
- DNS server with forwarding functionality SNTP (Simple Network Time Protocol) server/client for computer clock synchronization PPPoE connection to the ISP with PAP/(MS)CHAP authentication
- IP DIFFSERV for QoS
- Virtual LAN (VLAN/IEEE 802.1Q)
- Mail client to send voice and fax messages as e-mail attachments (.wav and .tif) and system notifications
- DNS (DYNDNS) support with third party
- NAT/Router with port forwarding and port translation.

**Please Enquire**

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