

# iAN-02EW

## VoIP WIRELESS SECURITY GATEWAY

**ENABLES USERS TO SECURE DATA TRANSMISSIONS AND PROTECT THEIR NETWORKS IN ADDITION TO TWO VOIP LINES**



### KEY FEATURES

- Designed for medium sized and, SOHO applications
- Two FXS ports provide two separate phone lines with independent numbers
- Four 10/100 MDIX Ethernet LAN ports
- Built-in 802.11b/g

### FEATURES

#### NETWORK PROTOCOL

- TCP, IP, UDP, ICMP, SMTP, ARP, RARP, NAT, PAT, PPPoE, PPTP, L2TP, DNS, HTTP, RIP v1, RIP v2 and DHCP server/client, UPnP

#### HARDWARE SPECIFICATION

#### STANDARDS COMPLIANCE

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100Base-TX
- IEEE 802.3.3x Full-Duplex operation/flow control
- IEEE 802.11, IEEE 802.11b, IEEE 802.11g
- UPnP NAT Traversal
- ARP Address Resolution Protocol
- MAC Address (IEEE 802.3)
- TCP (RFC 793), UDP (RFC 768)
- DHCP Client/Server (RFC 2131)
- IPV4 (RFC 791/RFC 1883)
- NAT (RFC 3022)
- STUN (RFC 3489)
- NTP (RFC 1305),
- ICMP (RFC 792)
- PPPoE (RFC-2516)
- MD5 (RFC 1321)
- Type of Service (TOS) (RFC 1349)
- DiffServ (RFC 2475)
- RTP (RFC 1889/1890), RTCP (RFC 1890)
- TFTP (RFC 1350), HTTP Client/Server (RFC 2131)
- ITU-T T.38 Fax Mode.
- PPPoE (RFC 2516)
- SIP (RFC 3261)

- SIP-Event (RFC-3265)
- SIP Proxy redundancy A-Records, DNS-SRV
- RTCP Attribute in SDP (RFC 3605)
- RTP/RTCP (RFC 3550)
- RTP Payload for DTMF Digits, Telephony Tones and Signals (RFC 2833)
- Tone Generation (GR-506)
- Call ID (Bell Core GR-30, DTMF)

#### VOICE CODEC

- G.711 (A-law or mu-Law)
- G.726 (16/24/32/40 kbps)
- G.729 a/b
- G.723.1 (6.3 kbps, 5.3 kbps)

#### DUAL-TONE MULTI-FREQUENCY (DTMF)

- DTMF tone detection and generation

#### CALL PROGRESS TONES

- Call progress generation
- Customer tone generation

#### VOICE FEATURES

- Voice activity detection (VAC)
- Comfort noise generation (GNC)
- Dynamic jitter buffer (adaptive)
- Line Echo Cancellation, G.165, G.168 up to 16ms.
- Call Transfer
- Call Waiting/Hold/Retrieve
- 3-way Conference Call
- Call ID Block
- Call ID Name and Number
- Call Forwarding (no answer/busy/all)
- Speed Dial
- Repeat dialing on busy
- Anonymous call blocking
- Do not disturb setting
- Repeat Dialing on Busy
- Call Return
- Dial Plan
- Distinctive Ringing

# TECHNICAL SPECIFICATIONS

## FEATURES CONTINUED

### FAX

- G.711 fax pass-through
- G.711 fax mode and T.38 Fax Relay

### IP ADDRESS AND DNS MANAGEMENT

- DHCP Server
- DHCP Client
- DNS Relay, DNS Proxy, DDNS through DynDNS.org

### MANAGEMENT

- Management access via WEB GUI
- Firmware upgrade through HTTP, TFTP, Auto Provision
- User name and Password prevent unauthorized access
- Reset button for device reset and reset to factory default

### FIREWALL & SECURITY

- URL Content Filtering
- Virtual Server supporting FTP, HTTP mail
- Status information
- Access Control by MAC address
- ALGs supported (40 types)
- WEP (64-bit and 128-bit), Pass Phrase, manual key for HEX and ASCII
- WPA supported
- 802.1x/EAP support (MD5, TLS, TTLS, LEAP, PEAB)

- Event and Logging

### HARDWARE AES ENGINE SUPPORT

- NAT Firewall with TOD access control
- IP Filtering
- Denial of Service Defense (more than 50 types)
- Application Content Filtering
- Stateful Packet Inspection
- PAP/CHAP authentication w/PPP
- Enable/ Disable SSID broadcast
- Malicious Code filtering by JAVA,activex, Cookie, Proxy Blocking

### VPN-IPSEC

- IPSec Pass-through
- AH/ESP/AH-ESP
- DES, 3DES, and AES (H/W)
- HMAC-SHA1, HMAC-MD5

### INTERFACES

#### WAN

- One 10/100Mbps auto-sensing switch port with auto crossover

#### LAN

- Four 10/100Mbps auto-sensing switch port with auto crossover

#### DMZ

- Port-4 10/100Mbps auto-sensing switch port with auto crossover

### WIRELESS

- 802.11b/g AP

## TECHNICAL SPECIFICATIONS

### LED DISPLAY

- Power
- LAN
- WAN
- WLAN: LNK/ACT
- Phone 1 and 2

### HARDWARE

#### Power:

- 12VDC @1A, External (120VAC 60 HZ / 220VAC 50 HZ)
- Less than 6 W consumption.

#### Dimension:

- 150x192x35 mm

### ENVIRONMENTAL

#### Operating Temperature:

- 0° C to 45° C
- Humidity: 0% to 90% non-condensing

#### Storage Temperature:

- 20% to 60% C

Products are certified in markets specifically listed on this spec

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