

# ASUREcall™

## VoIP Analog Gateway



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### *NetWolves' ASUREcall solution enables international and multi-location enterprises to reduce their telecommunications expenses*

NetWolves' ASUREcall VoIP Analog Gateway is a cost-effective, cutting-edge technology solution. This stand-alone VoIP gateway provides superior voice technology for connecting legacy telephone or fax equipment and PBX systems with IP-based telephony networks, as well as for integration with new IP-based PBX architecture. This product is designed and tested to be fully interoperable with leading SoftSwitches, H.323 gatekeepers and SIP (Session Initialization Protocol) servers.

The ASUREcall VoIP Analog Gateway is well suited for commercial VoIP deployment. Field-proven voice and fax technology and feature-rich design make this gateway an excellent solution for various emerging VoIP applications. NetWolves' VoIP Analog Gateway is used in the voice VPN environment, centralized IVR and quality monitoring, calling card and pay phone markets. Ideal markets also include MTU (Multi-Tenant Units), rural areas and remote analog extensions in a VoIP-based PBX or IP-PBX architecture.

NetWolves' VoIP Analog Gateway has been designed to meet real market needs. In addition to superior voice technology, this gateway can provide long haul and lightning protection for outdoor installation; MWI, CID, and metering for true integration with existing telephony infrastructure.

### *Applications*

- Enterprise access for IP-Centrex for hosted services
- Multi-Tenant Unit
- POTS and fax extensions for IP-PBX
- Voice VPN
- VoIP-enabled PBX
- Unified messaging and recording

### *Management*

NetWolves' ASUREcall VoIP Analog Gateways can be monitored and managed remotely using NetWolves' Secure Remote Monitoring and Management (SRM2) system. They are also scalable with other NetWolves security and network continuity services, including our ICSA-certified firewall and Quality of Service technology.

*"One-third of companies today rely on managed security services or plan to implement them by mid-2005. The worldwide managed security services market is expected to grow to \$5.9 billion in 2007. While security consulting made up the majority of managed security services in 2001, managed security monitoring is expected to become the biggest piece of the market by 2007."*

*– Infonetics Research (User Plans for Security Products and Services, North America 2003)*

**Fax, voice and modem support**

**Toll-quality voice compression**

**Enhanced capabilities including MWI, long haul, metering, CID**

**Support for all standard control protocols**

**Proven integration with leading PBXs, IP-PBXs, SoftSwitches, H.323 Gatekeepers and SIP servers**

**Spans a range of 2 to 24 analog parts**

**Supports PSTN/PBX analog telephone sets or analog trunk lines (FXS/FXO)**

**Connection to the IP network via 10/100 Base-T Ethernet interface**

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### Specifications

Interfaces			
Analog Ports	4	8	24
Telephone Interfaces	Quad RJ11	Octal RJ11	Standard 50-pin Telco connector
Life line	Automatic cut through of a single analog line in case of power failure (FXS version only)		Not applicable
Network Interface	10/100 Base-T, RJ45		
Indicators	Channel status and activity leads		
Voice, Fax, Modem			
Voice over Packet Capabilities	G.168-2000 compliant Echo Cancellation, VAD, CNG, Dynamic programmable Jitter Buffer, modem detection and auto switch to PCM		
Voice Compression	G.711, G.723.1, G.726, G.727, G729A, NetCoder at 6.4-9.6 kbps		
Fax over IP	Group 3 fax relay up to 14.4 kbps with automatic fallback		
	T.38 compliant		
Signaling			
Signaling	FXS, FXO Loop-start		FXS Loop-start
In-band Signaling	DTMF (TIA 464B)		
	User defined and call progress tones		
Control	MGCP (RFC 2705), H.323 (V4), MEGACO (H.248), SIP (RFC 3261), NetWolves VoIP Library API		
Provisioning	BootP, DHCP and TFTP		
	Remote management via NetWolves' SRM <sup>2</sup>		
	EMS (Element Management System)		
	Syslog support		
Additional Features (contact NetWolves regarding availability)			
Short and Long Haul	Up to 7000 meters at 24 AWG		Up to 6000 meters at 24 AWG
Caller ID Polarity Reversal	Bellcore Type 1 & 2, ETSI NTT and DTMF based CID (India, Sweden, Denmark)		
Metering Tones	Immediate or smooth to prevent erroneous ringing		
Distinctive Ringing	12/16KHz sinusoidal bursts		
Message Waiting Indication	By frequency (15-100 Hz) and cadence patterns		
	DC voltage generation (TIA/EIA-464-B), V23 FSK data, Stutter dial tone		
Outdoor Protection	FXO as default configuration, FXS as special ordering option		

Call today to learn more about  
NetWolves' Intelligent Network  
Solutions.