

### Overview

With a simple and economical way to help legacy telephone, fax machine and PBXs interconnect with IP network, CoreIP analog media gateway enables call centre and multi branch enterprises to process powerful, versatile and efficient VoIP solutions for unparalleled cost advantage.

Analog Gateways allow for a well-planned, phased migration to an IP network, making the gateways an easy solution for enterprises looking to enhance their legacy PBX equipment with new VoIP access and applications. Connected between a PBX, an Analog and LAN or WAN, the CoreIP UMGW 32 FXS Gateways convert analog PSTN messages into a format suitable for transmission over standard IP networks.

### **Key Features:**

#### **Voice over Internet Protocol (VoIP) :**

Supports SIP per RFC 3261. Uses Real-time Transport Protocol/Real-Time Control Protocol (RTP/RTCP) for delivery of voice over the LAN or WAN

#### **Enhanced voice processing:**

Supports a variety of compression algorithms, including G.711 A-law and  $\mu$ -law, G.729AB

#### **T.38 Fax over IP (FoIP) :**

Transcode fax from T.30 fax protocol (supporting V.17) to T.38 for transmission over IP network.

#### **Web server interface & Security:**

Each gateway unit is delivered with a web server interface, Supports HTTPS for web interface which allowing configuration and software upgrades via a web browser.

Designed for voicemail and unified messaging applications, the 32 Ports Analog VoIP Gateway has a 10/100/1000M (optional) Base-T Ethernet connection for connecting legacy PBX to a LAN. The analog loop start functionality supports integration via in-band signaling (DTMF or FSK), serial protocols, as well as T.38 for fax transmissions over IP.



**CoreIP UMGW-32 FXS**

- **Easy integration with existing telephony interfaces**
- **Open-standard SIP support and register to multiple SIP proxy servers**
- **Make and receive IP calls from analog extensions**
- **Call budgeting based on allocated amount, minutes and call count**
- **Manageable based call routing TDP-IP/IP-TDM**
- **Restrict unwanted calls with list of denied numbers**
- **Real-time call record send to CDR server**
- **Web-based remote administration**
- **Console access via Telnet, SSH.**

**Key Features and Benefit :**

- ✓ **Support 32 FXS Ports**
- ✓ **Superior Voice Quality**
- ✓ **User-Friendliness and Web-based Administration**

**Technical Specifications:**

- **Physical Interface**
  - Number of ports: 32 FXS Configurable
  - Connectors: 32 female RJ-11 jacks
  - Network interface: 2\* RJ-45 10/100Mbps Base-T Ethernet, Female RJ-45 1000M LAN/WAN available for some product models while required
- **Voice Support**
  - G.711A/U law, G.723.1, G.729A/B, G.726, iLBC, AMR
  - Comfort Noise Generation (CNG)
  - Echo Cancellation (G.168)
  - DTMF mode: Signal/RFC2833/INBAND
  - Silence suppression with comfort noise
  - G.168 automatic echo cancellation
  - Call Progress Analysis (CPA), including Positive Voice Detection, Positive
- **Configuration and Management**
  - Web UI for instant management and status monitoring
  - Telnet/SSH
- **FoIP Protocol**
  - T.38 FoIP : transcode fax from T.30 fax protocol (supporting V.17) modulation schemes
  - T.38 for transmission over a packet network
  - T.38/Pass-through, up to 14.4kbps
- **Application Capabilities**
  - Call waiting
  - Blind Transfer
  - Attend Transfer
  - Call forward on Busy
  - Call forward on No Reply
  - Unconditional Call Forward
  - Hotline Call hold
  - DND, Call Pickup
  - 3-way conference
  - Voicemail
- **VoIP Protocols**
  - TLS/SRTP
  - Open Vpn
  - SIP V2.0 (RFC 3261, 3262, 3264)
  - IMS/3GPP
  - REFER (RFC 3515)
  - ARP/RARP (RFC 826/903)
  - SNTP (RFC 2030)
  - DHCP/PPPoE
  - TFTP/HTTP/HTTPS
  - DNS/DNSRRV (RFC 1706/RFC2782).
  - VLAN802.1P/802.1Q.
- **Network Capability**
  - Static IP, PPPoE, DHCP Client
  - IPv4, IPv6
  - Static/dynamic ARP
  - DIFFServ, ToS
  - NAT (Rout and Bridge)+
  - MAC Address Clone
  - Static routing+
  - Built-in Firewalls
  - QoS, Traffic Shaping
  - Voice/Data/Management Vlan
- **Call Routing**
  - Port Groups, IP Trunks
  - Primary and Secondary SIP Account
  - 32 Inbound/Outbound Routing
  - Number Manipulation, Digit maps
  - TDM to IP or IP to TDM
  - IP load balancing, IP fault tolerance
- **Power & Environment**
  - Power Supply: 100-240V, 50-60Hz+
  - Power Consumption: Approximately 50W
  - Temperature (Operation): 0 °C ~ 45°C
  - (Storage): -20 ~ 85°C
  - Humidity: 10%-90% No condensation.
  - Operating temperature range: -10 °C ~ 55°C
- **Physical Dimensions**
  - L\*W\*H 440(mm)\*202(mm)\*44(mm)
  - Weight Approximately 2.7kg

## ***About CoreIP***

To introduce ourselves we would like to call us a Technology company. A company that helps global organizations implement optimized/customised Telecom/IT solutions with simplicity, which is an absolute must for any organization for its successful growth. Our scope of expertise includes Unified Communications, Security solutions, Networking solutions and a lot Core IP's vision of the digital future is driven by the needs and aspirations of our customers and consumers around the country who are in need of latest technology every day. We share their dream to live a fuller life by providing ways of working smarter and enjoying the rewards of technological advanced solutions. As we move forward together with our customers into the uncharted future of the 21st century with the prospect of future technologies and systems yet to be thought of, Core IP's standards are still firmly grounded in the philosophy of company's directors. CoreIP promises to deliver best-in-class products and services, enhanced by extensive in house research and development capabilities.

## ***Fore More Information***

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