

MTVG016 FXO Gateway



Product Overview

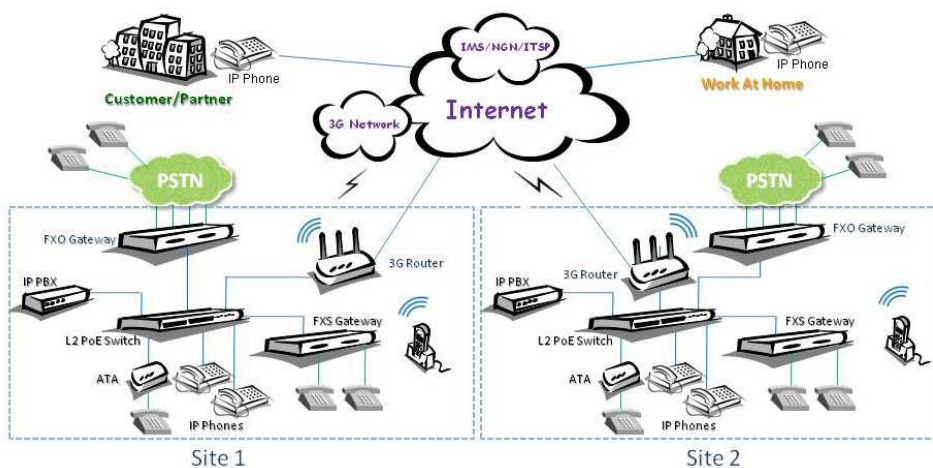
The MicroTell FXO Gateway (MTVG016) is compliant with the SIPv2 Voice over Internet Protocol (VoIP) and provide FXO interface to connect to PSTN. It integrates the functions of VoIP Gateway and PBX, and is suitable to VoIP applications like long distance by-pass in medium and small enterprises/branches, IP-PBX, IP Centrex, PBX expansion. With MTVG016, the enterprises can save the buildup of a PBX system in implementing voice communication. The unique design structure of MTVG016 guarantees flexible configuration based on the demand of enterprise users.

MTVG016 provides FXO ports and multiple 10/100M Ethernet interfaces. MTVG016 connects to regular telephone line and PBXs through the FXO analog interfaces. It connects to IP network through Ethernet interfaces. MTVG016 provides real-time and high quality IP-based voice services.

MTVG016 adopts embedded linux operating system. Equipped with powerful hardware configuration and controlled by sophisticated software, the system supports multiple functions and provides solutions to a variety of voice communication demands in medium and small enterprise users.

| FEATURES | BENEFITS |
|------------------------------|---|
| SIPv2 compliant | The MTVG016 support RFC3261 SIP protocol connecting PSTN or Traditional PBX with IP network. |
| Easy to Operate and Maintain | MTVG016 supports configuration using web based user interface or text commands, and auto upgrade. Through NMS system, the user can remotely change configuration, upgrade software, collect performance and statistics data, download LOG files, and send bug alarms. |
| Superb voice quality | Advanced Digital Signal Processing (DSP), Silence suppression, VAD, CNG and AEC provide superb voice quality. |
| FXO Features | Adjustable Volume/Gain, Busy Tone Detection and IP Dialer for connecting with PSTN or legacy PBX systems. |
| FAX Processing | T.30, T.38 Fax Relay |
| Remote Provisioning | HTTP/WEB, NMS, Remote Software Upgrade |

Application Diagram



Key Features and Benefits

TRUNK FEATURES

- Caller ID detection (FSK/DTMF)
- Auto Attendant Service**
- Concurrent call: 16

CALL FEATURES**

- Call Waiting
- Call Hold/Resume
- Call Forward
- Call Transfer
- 3-Way Conference Call**
- Caller ID
- Call History
- Redial
- Call Recording

VOICE FEATURES

- SIPv2 (RFC3261)
- SIP INFO (RFC2976)
- SIP RPORT(RFC 3581)
- SDP (RFC2327)
- RTP (RFC1889)
- RTCP (RFC1890)
- G.711 μ -law
- G.711 a-law
- G.726
- G.729A/B
- G.723.1
- Voice Activity Detection (VAD)
- Comfort Noise Generation (CNG)
- G.167 Acoustic Echo Cancellation (AEC)
- Adaptive Jitter Buffer (AJB)

DTMF Method

- In-band
- RFC2833
- SIP INFO

NAT TRAVERSAL

- STUN (RFC3489)
- Outbound Proxy

MANAGEMENT

- Keypad configuration
- Web based management interface (HTTP)
- Telnet
- Auto provisioning**
- Remote firmware upgrade**
- NMS**

SECURITY

- HTTP 1.1 Basic/Digest Authentication for web setup
- MD5 for SIP authentication (RFC2069/RFC2617)

TEMPERATURE

- Operating: 0°C to 40°C
- Storage: -10°C to 60°C

HUMIDITY

- Operating: 5% to 95% Non-condensing
- Storage: 5% to 95% Non-condensing

DIMENSION

- 4.4x44x30 cm

WEIGHT

- 3Kg

INPUT Voltage

- 100~240 Volt

INPUT Current

- 0.7Amp(110V) / 0.35Amp(220V)

Power Consumption

- 50Watt (Max.)

CERTIFICATIONS

- FCC
- CE

SYSTEM REQUIREMENTS

- Available 10/100Base-T Ethernet port
- SIP based VoIP user accounts
- We recommend using this product with the MTPBX5100

PACKAGE CONTENTS

- One FXO Gateway (MTVG016)
- One Power cord
- Rack Mounting Kit Set
- Quick Start Guide

WARRANTY

- Limited Lifetime
- **Requires network support

Contact

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