

## 4-Port **FXS SIP** VoIP Gateway

**VGW-410FS**



# Presentation Outlines

- ◆ Product Overview
- ◆ Product Features
- ◆ Applications
- ◆ Product Comparison

*Enhanced, Full-Featured Business* **SIP VoIP** Gateway



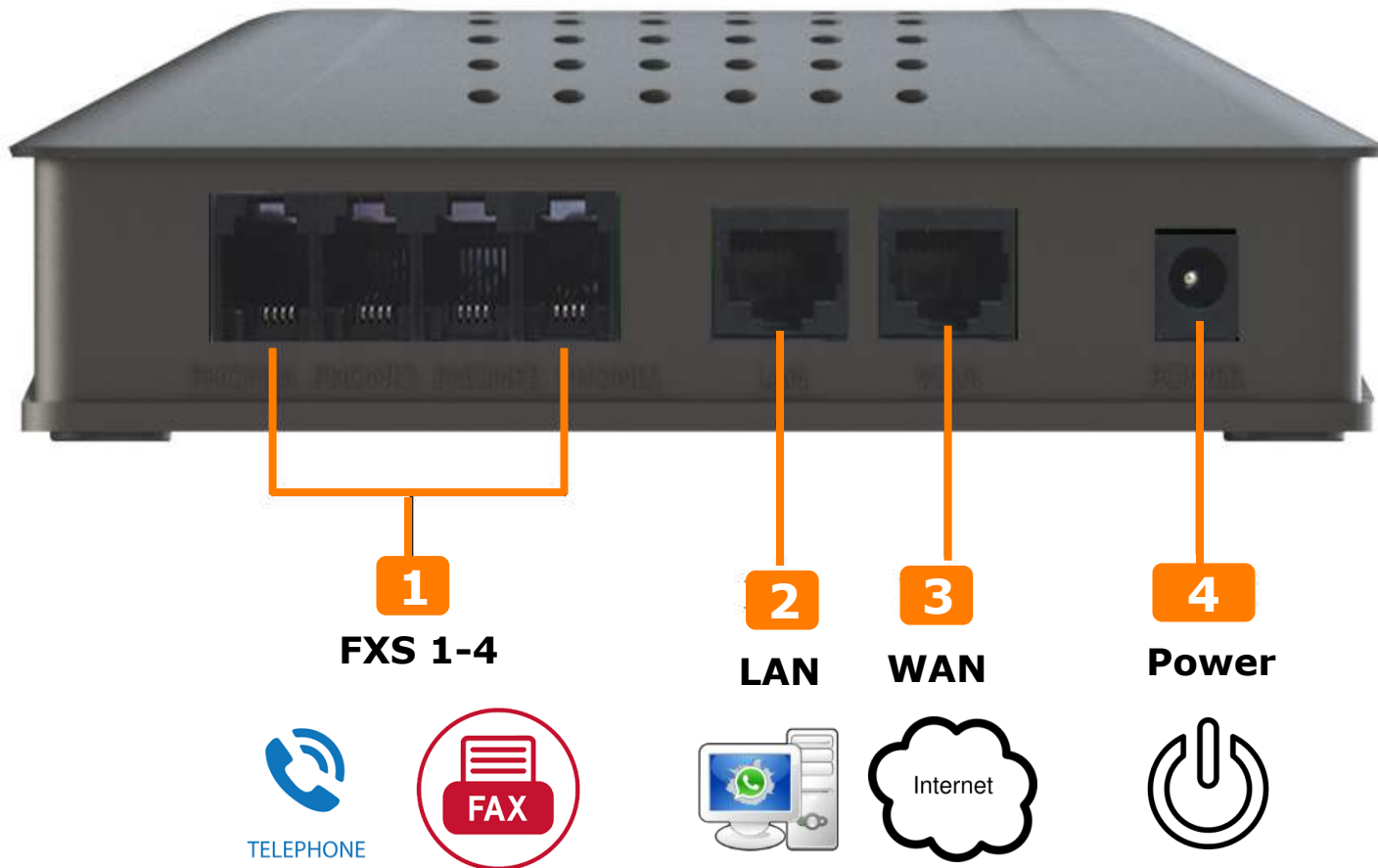
# Product Overview

- ◆ Front Panel of VGW-410FS



# Product Overview

## ◆ Rear Panel of VGW-410FS



# Product Features

## ◆ SIP Applications

- ✓ IETF **SIP** RFC3261 compliance
- ✓ **4-line FXS** (Foreign eXchange Station) connects to analog phone or fax machine
- ✓ ITU-T G.711 A-law, G.711  $\mu$ -law, G.723.1 and G.729 voice coding
- ✓ In-band / out of band DTMF (RFC4733, RFC2833 / SIP INFO)
- ✓ **Echo cancellation** exceeding ITU-T G.165/G.168-2002, up to 128ms tail length





# Product Features

## ◆ Internet Features

- ✓ **SIP DDoS** attack prevention
- ✓ Supports NAT and **Firewall**
- ✓ Supports DHCP server / client
- ✓ Supports **VLAN** and **QoS**: DSCP, TOS (RFC 791, 1394)



# Product Features

## ◆ Call Features

- ✓ Supports peer to peer dialing
- ✓ Supports **STUN** NAT Traversal
- ✓ Supports **Caller ID** recognition DTMF and FSK
- ✓ **T.30** transparency, T.30 bypass, and **T.38** fax
- ✓ **Multi-party** conferencing, call **forward**, call waiting, **hot-line** call, **DND** (Do Not Disturb) and alarm clock



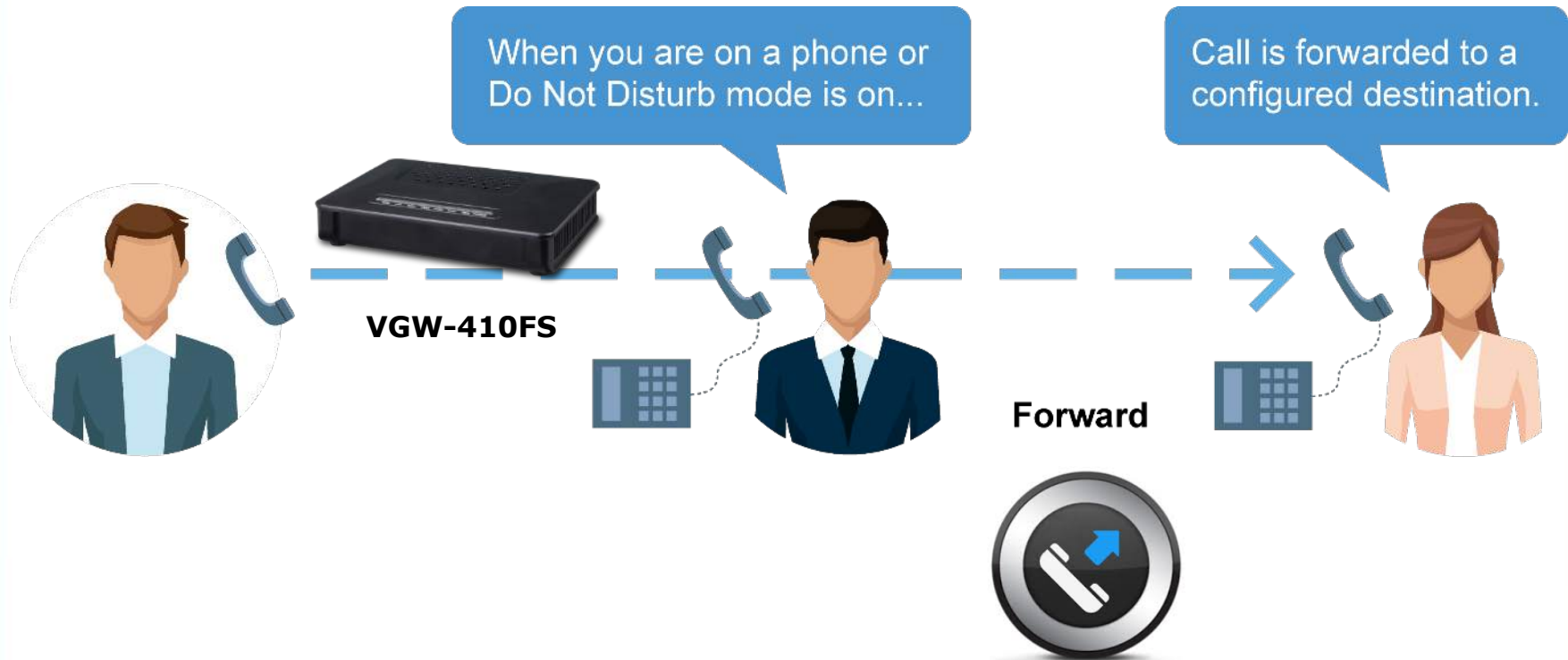
# Product Features – *Caller ID*





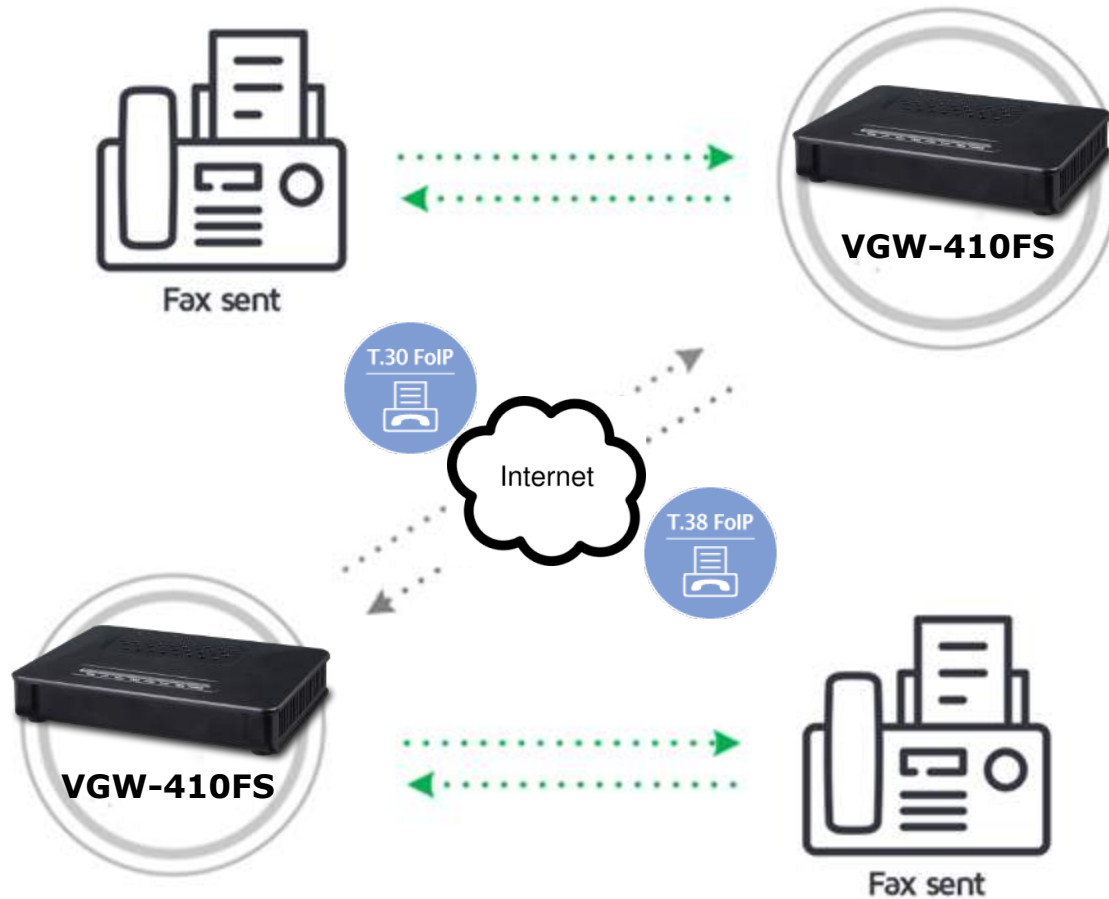
# Product Features –

## *Do Not Disturb and Call Forward*



# Product Features –

## *T.30 / T.38 FoIP (Fax over IP)*



# Product Features – *VLAN and QoS*

## ◆ Secure, High-Quality VoIP Communication

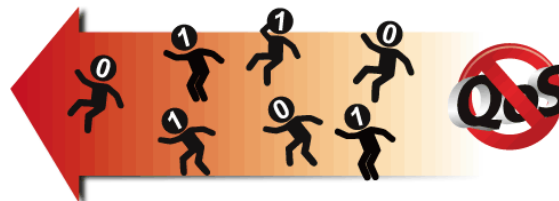
- ✓ It can effortlessly deliver secure toll voice quality by utilizing cutting-edge **802.1p QoS** (Quality of Service), **802.1Q VLAN** tagging technology. Using voice and data VLAN can easily separate the data and voice, thus maintaining the best quality.

### With VLAN



VGW-410FS

### Without VLAN



SIP Gateway

# Product Applications

- ◆ The VGW-410FS provides a comprehensive set of features you need for business-class voice communication. Designed as a easy-to-manage solution. Designed for use in branch offices, it helps the enterprises to...



# Sales Targets

## ◆ Target Markets

- ✓ ISPs / ITSPs
- ✓ Enterprises, SMB offices
- ✓ System Integrators
- ✓ Resellers



## ◆ Recommended Products

- ✓ VIP Gateway Series
  - VIP-880 series and VGW-400 series
- ✓ ATA
  - VIP-156, VIP-156PE, VIP-157 and VIP-157S
- ✓ IP PBX
  - IPX-330, IPX-2100, IPX-2200 and IPX-2500





# Appendix A

## ◆ Related IP Telephony

Model Name		Description
<b>VGW-810FS</b>		<b>8-Port FXS SIP VoIP Gateway</b>
<b>VPA-100</b>		<b>SIP Public Announcement Adapter with PoE</b>
<b>VIP-156</b>		<b>SIP Analog Telephone Adapter</b>
<b>VIP-156PE</b>		<b>802.3af PoE SIP Analog Telephone Adapter</b>
<b>VIP-157S</b>		<b>2 FXS Analog Telephone Adapter</b>
<b>VIP-462DG</b>		<b>802.11g SIP DECT VoIP Router</b>

# Appendix B

## ◆ Related IP PBX

Model Name		Description
<b>IPX-330</b>		Internet Telephony PBX System ( <b>30</b> SIP User Registrations)
<b>IPX-2100</b>		Internet Telephony PBX System ( <b>100</b> SIP User Registrations)
<b>IPX-2200</b>		Internet Telephony PBX System ( <b>200</b> SIP User Registrations)
<b>IPX-2500</b>		Internet Telephony PBX System ( <b>500</b> SIP User Registrations)
<b>IPX-21FO</b> <b>IPX-21SL</b>		4-Port <b>FXO</b> module and 2-Port <b>FXO</b> + 2-Port <b>FXS</b> module for IPX-2100, IPX-2200 and IPX-2500
<b>IPX-21GS</b>		4-Port <b>GSM</b> module for IPX-2100, IPX-2200 and IPX-2500
<b>IPX-21PR</b>		1-Port <b>ISDN (T1/E1)</b> module for IPX-2200 and IPX-2500

# Appendix C

## ◆ Related IP Telephony

Model Name		Description
<b>VIP-1120PT</b>		High Definition <b>Color</b> PoE IP Phone (2-Line)
<b>VIP-2140PT</b>		High Definition Color PoE IP Phone with <b>Dual</b> Display (4-Line)
<b>VIP-8030NT</b>		HD Voice <b>Conference</b> PoE IP Phone with PSTN (3-Line)
<b>ICF-1800</b>		HD <b>Touch Screen</b> Android Multimedia Conferencing Phone

# Appendix D



◆ Related IP Intercom

<b>Model Name</b>		<b>Description</b>
<b>VTS-700P</b>		<b>7-inch SIP Indoor Touch Screen PoE Video Intercom</b>
<b>HDP-1100PT</b>		<b>720p SIP Door Phone with PoE</b>
<b>HDP-5240PT</b>		<b>720p SIP Multi-unit Video Door Phone with RFID and PoE</b>
<b>HDP-5260PT</b>		<b>720p SIP Multi-unit Apartment Vandalproof Door Phone with RFID and PoE</b>
<b>ICA-4130S</b>		<b>HD Ultra-mini SIP PoE IP Camera</b>



# ACTIVATING IP POWER