VGW-2420FS

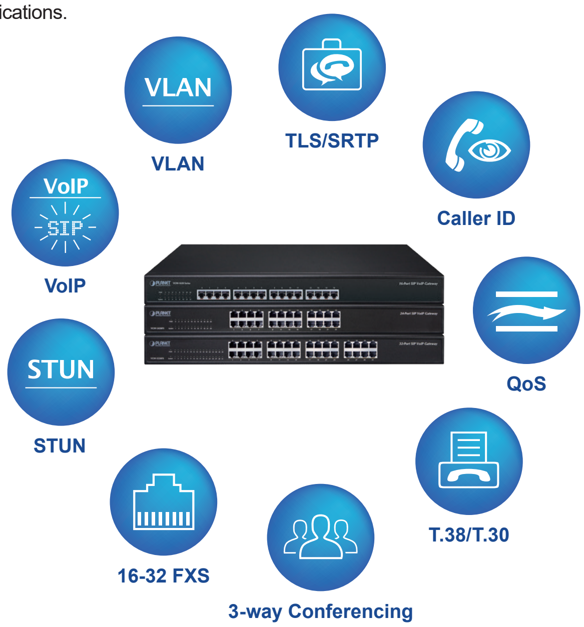
24-Port SIP VoIP Gateway (24 FXS)

High Quality yet Affordable for All Businesses

PLANET VGW-2420FS enterprise-class 24-port SIP VoIP Gateway provides added flexibility during migration to Unified Communications by supporting the traditional analog devices. These devices include analog phones, fax machines, modems, voicemail systems and speakerphones

Enhanced, Full-Featured Business Gateway

PLANET VGW-2420FS 24-port FXS SIP VoIP Gateway is a fully IETF SIP RFC 3261 standard compliant residential gateway that provides a total solution for integrating voice-data network, with built-in SIP trunk and TLS/SRTP security, up to 24 concurrent connections. Voice communications can be established from anywhere around the world, and it not only provides quality voice communications, but also offers secure, reliable Internet sharing capabilities for daily voice and Internet communications.



SIP Applications

- IETF SIP RFC3261 based on UDP/TCP/TLS
- 24-line FXS connects to analog phone set or PABX
- Fax over T.38 and Pass-through
- ITU-T G.711 A-law, G.711 μ-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.168, up to 128ms tail length
- Supports SIP Trunk and Caller ID: DTMF/FSK CLI Presentation

Internet Features

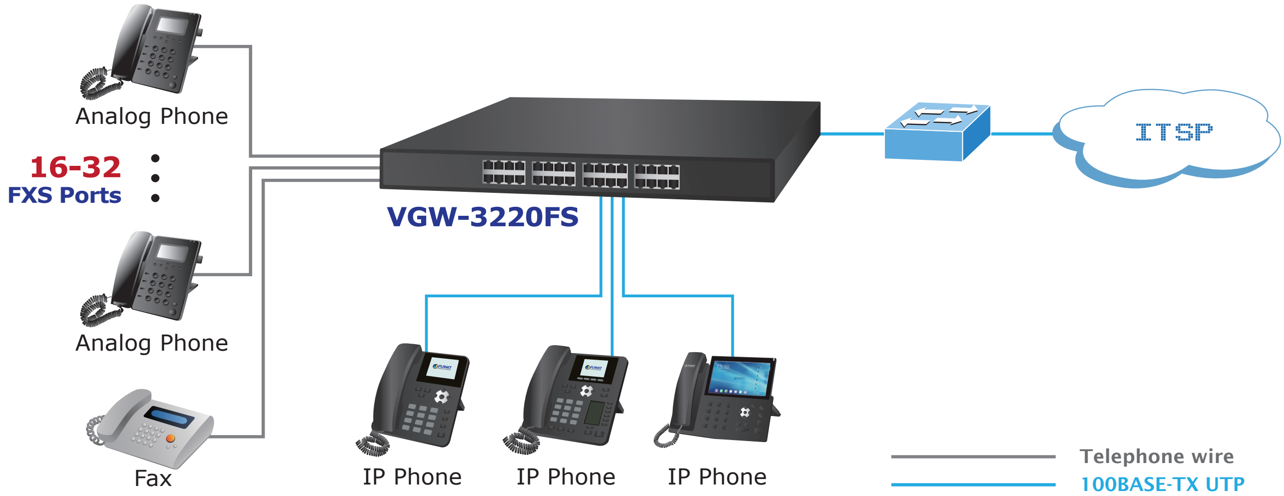
- Supports SNMP v1/v2/v3
- Supports VLAN 802.1P and 802.1Q
- Supports Layer3 QoS and DiffServ
- Supports STUN (RFC 3489) and Outbound Proxy
- Supports TR069 and Auto Provisioning
- Supports TLS/SRTP Security

Call Features

- Call waiting, transfer (Blind transfer, Attend transfer)
- Call hold, quick pick
- Call forwarding unconditional
- Call forwarding on no reply
- Hotline, speed dial, direct IP call
- Do not disturb (DND), 3-way conferencing

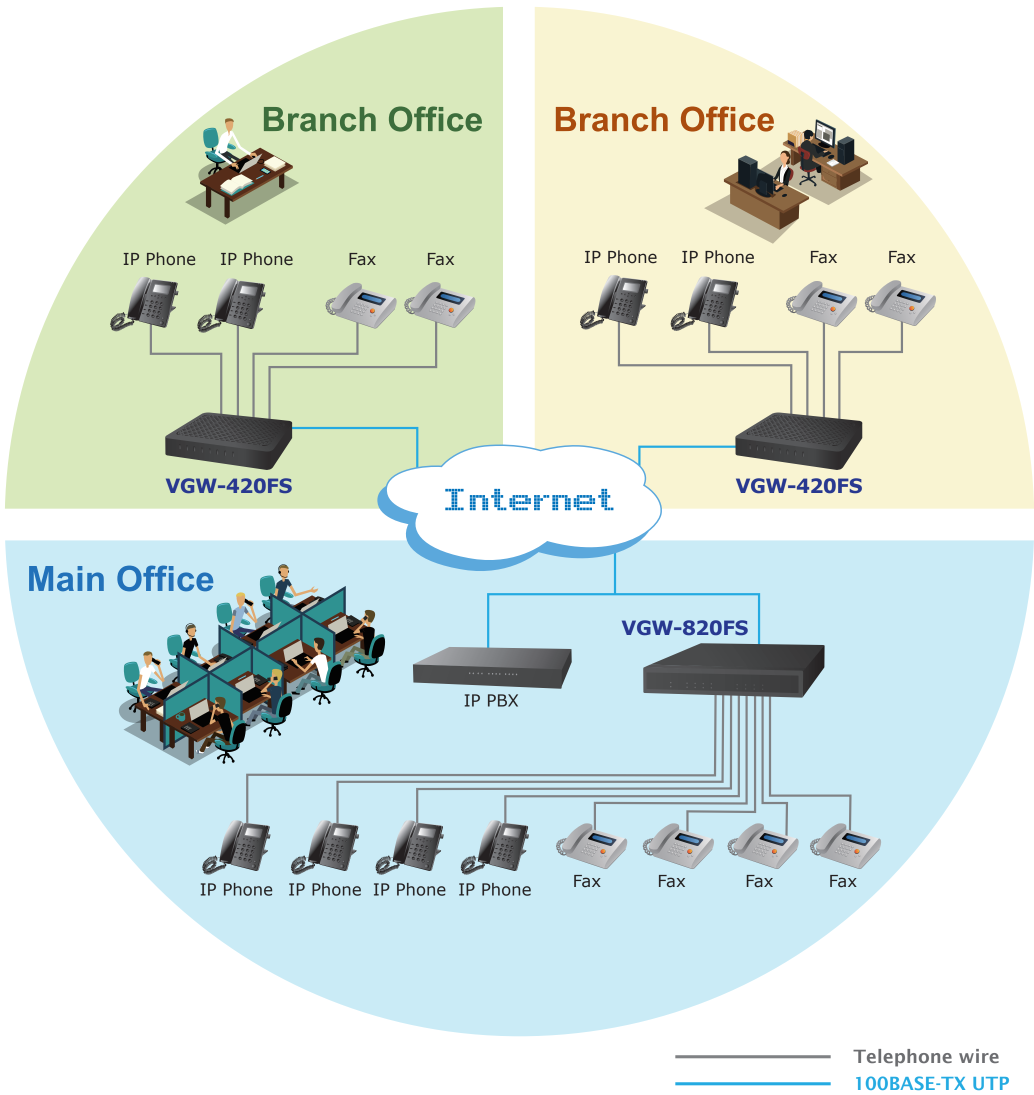
Distributed VoIP Network Infrastructure

PLANET VGW series is easy to use for all types of businesses. The VGW-2420FS offers quality voice communications and real-time fax data over IP networks and it does not need human resources to deploy a VoIP network. With the optimized SIP architecture, PLANET VGW-2420FS is the ideal choice for P2P/SIP proxy (IP PBX) voice chat, and ITSP cost-saving solution.



Applications

The VGW-2420FS provides the essential features you need for business-class voice communications in an easy-to-manage solution. Designed for businesses with branch offices, it helps the enterprises to save money on long-distance calls.



Product Specifications

Product	VGW-2420FS
Hardware	
LAN	4 x 10/100BASE-TX RJ45 port
Voice	24 x RJ11 connection (32 x Foreign eXchange Station) 1 x RJ21, 50 PIN
Console	1 x RS232, 115200bps
Weight	3200g
Dimensions (W x D x H)	440 x 250 x 44 mm
Power Requirements	100-240VAC, 50-60 Hz
Power Consumption	40W
Protocols and Standard	
FXS	Dial Mode: DTMF and Pulse Pulse: 10 and 20 PPS Caller ID: DTMF/FSK CLI Presentation Max Cable Length: 3KM Reverse Polarity Programmable Call Progress Tone
Voice & Fax	G.711A/U law, G.723.1, G.729A/B,G.726 and iLBC Silence Suppression Comfort Noise Generation (CNG) Voice Activity Detection (VAD) Echo Cancellation (G.168), with up to 128ms Adaptive (Dynamic) Jitter Buffer Hook Flash Programmable Gain Control T.38/Pass-through Modem/POS DTMF mode: Signal/RFC 2833/INBAND VLAN 802.1P and 802.1Q Layer 3 QoS and DiffServ
VoIP	IETF Session Initiation Protocol (SIP) v2.0 (UDP/TCP) RFC 3261 and Session Description Protocol (SDP) RTP (RFC 2833), RFC 3262, RFC 3263, RFC 3264, RFC 3265, RFC 3515, RFC 2976 and RFC 3311 RTP/RTCP, RFC 2198 and RFC 1889 RFC 4028 Session Timer RFC 3266 IPv6 in SDP RFC 2806 TEL URI RFC 3581 NAT and rport Primary/Backup SIP Server Outbound Proxy DNS SRV/A Query/NATPR Query SIP Trunk Early Media/Early Answer NAT:STUN, Static/Dynamic NAT
Supplementary Service	Call Waiting Blind Transfer Attend Transfer Call Forward on Busy Call Forward on No Reply Unconditional Call Forward Warm/Immediately Hotline Call Hold Do-not-disturb 3-Way Conferencing Message Waiting Indicator

Software Features	Hunting Group Web ACL Telnet ACL Action URL PPPoE/IPv4 Digitmap Bandwidth Optimization Routing Rules based Prefixes Caller/Called Number Manipulation
Management	SNMP v1/v2/v3 TR069 Auto Provisioning Web/Telnet Configuration Backup/Restore Firmware Upgrade via Web CDR Syslog Ping and Tracert Test Network Capture Outward Test (GR909) NTP and Daylight Saving Time IVR local Maintenance
Environments	
Emission	CE, FCC

Ordering Information

VGW-2420FS	24-Port SIP VoIP Gateway (24 FXS)

Related Products

VGW-820FS	8-Port SIP VoIP Gateway (8 FXS)
VIP-1120PT	High Definition Color PoE IP Phone (2-line)
VIP-2140PT	High Definition Color PoE IP Phone with Dual Display (4-line)
ICF-1800	HD Touch Screen Android Multimedia Conference Phone (6-line)
VIP-462DG	802.11g SIP DECT VoIP Router
VIP-156PE	802.3af PoE SIP Analog Telephone Adapter
VIP-157S	2 FXS Analog Telephone Adapter
HDP-1100PT	720p SIP Door Phone with PoE
HDP-5240PT	720p SIP Multi-unit Video Door Phone with RFID and PoE
HDP-5260PT	720p SIP Multi-unit Apartment Vandalproof Door Phone with RFID and PoE
VTS-700P	7-inch SIP Indoor Touch Screen PoE Video Intercom
IPX-330	Internet Telephony PBX System (30 user registrations)
IPX-2100	Internet Telephony PBX System (100 user registrations)
IPX-2200	Internet Telephony PBX System (200 user registrations)
IPX-2500	Internet Telephony PBX System (500 user registrations)
UMG-1000	Desktop Unified Office Gateway

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