Quadro FXS 16



Quadro FXS 16: The Voice over IP FXS Gateway

The Quadro FXS 16 port gateway is a modular approach to adding additional FXS lines (analog phones) to a corporate phone network that uses Epygi's IP PBXs. Multiple Quadro FXS 16 Gateways can be added to an Epygi IP PBX for additional analog phone support. Each device allows the use of 16 additional analog phones by converting the IP extensions of the IP PBX into analog ports without the complexity of using other FXS gateways resulting in a multi-vendor solution. An Epygi solution from end-to-end increases the overall reliability of a hybrid VoIP deployment and facilitates Plug-and-Play functionality.

Integration with IP PBX

This solution simply connects to the existing Ethernet network and communicates directly with the LAN interface of an Epygi IP PBX. Therefore, minimal configuration is needed to continue to support the current analog phones installed. The Epygi IP PBX will automatically use the new FXS ports and display the new extensions in Epygi IP PBX management GUI. The new analog lines can then be managed from the IP PBX interface without a need to now support multiple Quadro devices.

What are Your VoIP BENEFITS?

- Easy PnP Installation
- Retain Analog Investment
- Reliable Epygi VolP Technology
- Single Interface Management



Features

Telephony

- **PBX** Features Call waiting Call statistics Dial plans (call routing), Time of day routing Redirection to External Voice Mail
- PBX Features (supported with Epygi IP PBXs) Call blocking, Forwarding, Hold, Transfer Call relay, Call waiting, Caller ID Detection, Hiding Caller ID Call park, Pickup Many extension ringing Call hunting Voice mail SMS notification for Voice Mail Voice Mail profile Speed dialing Hold music Do Not Disturb Unified messaging 3-way conferencing T.38 fax, fax relay and clear channel fax Unified Fax Messaging Busy auto-redial Directory assistance Dial plans (call routing) Time of day routing Call Queue Call statistics

Voice Features Voice Coding: G.711, G.726 (16, 24, 32, 40 Kbps) G.729A, iLBC (13,33 kbit/s, 15,2 kbit/s); VAD, CNG, G.168 echo cancellation VoIP Encryption: SRTP VoIP Signaling SIP, SIP/TLS DTMF

In band & out of band signaling support.

VoIP Data and Signaling Protocols ITU-T G711, G.726, G729 Annex A; IETF RFC 3951- iLBC; ITU-T Q.23, Q.24; Bellcore GR.506, GR.181; ITU-T G.168-2000, 2002; ETS 300659 1,2,3; SIP, SIPS/TLS (RFCs: 2246, 3261, 3263, 3265, 3311, 3323, 3324, 3325, 3428, 3515, 3578, 3581, 3725, 3842, 3856, 3863, 3891, 3892, 4028, 4235)

SDP (RFC: 2327, 4568) RTP/SRTP (RFCs: 1889, 1890, 2833, 3389, 3550, 3551, 3555, 3711, 4733, 3952). Fax over IP (ITU-T: T4, T30, T38, V17, V21, V27 ter, V29) POTS Signaling Loop start FSK and DTMF Caller ID support

Connectivity

- Physical Interfaces Premise connections: 16 FXS short-loop FXS ports (RJ-11) 1 LAN 10/100 Ethernet port (RJ45)
 - Uplink connections 1 WAN Ethernet 10BASE-T port (RJ45)
- Phones Analog phones: 16 Analog phones (or other analog devices) to connect via FXS ports
 - Virtual Extensions: Up to 100 Virtual Extensions can be registered'
- *The total number of extensions used for Analog phones and virtual extensions can not exceed 100 extensions.
- System Capacity Up to 16 simultaneous VoIP calls with external parties Unlimited station to station calling for analog phones

System

- Management Auto-configuration with Epygi IP PBXs Plug and play with Epygi IP PBXs Multilingual WEB interface accessible from LAN and WAN (HTTP/HTTPS)
 - Password control
- Remote diagnostics and software upgrade
- Download/restore configuration Legible and editable configuration files
- FXS Lines Gain Control
- SNMP Monitoring and Configuration Reset button with factory reset option Custom Language Pack
- Billing

Radius Client (RFCS: 2865, 2866)

Diagnostics/Testing LEDs: Busy, Info, Fault, LAN, WAN IP Call Quality Rating Remote testing and VoIP diagnostics Power-up diagnostics

Internet

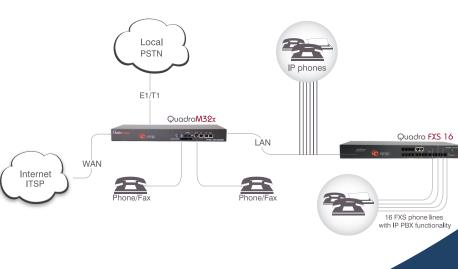


Environmental

- **Physical Dimensions** Measurements: 19" x 7.56" x 1.77" (48.0 x 19.2 x 4.5 cm) Weight: 9.2 lbs. (4.18 kg) Conditions 41°F - 104°F (5°C - 35°C) operating temperature 41°F - 140°F (5°C - 60°C) storage temperature 5% - 90% non-condensing humidity Power Supply Input 100 - 240 VAC; 50/60 Hz; 0.5 A Output 12.0 VDC; 3.5 A Regulatory Compliance Safety: UL 60950; CSA 22; EMC: FCC Part 15 Class A:
- EN55022 Class A, EN55024; Telecom[.] CTR21/TBR21

Certification:

For Canada, European Community, USA



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