

# QXFSX24

## QXFXS24 Gateway

### Product Overview

When Size Matters. This product is small and compact, allowing for 2 24-port units in a rack mount arrangement taking up just one U (1.75"). A bulk import tool was developed by a sipXcom member and is integrated into the QXFXS24 gateway for your use.

The ability to use a large existing analog telephone base with a new IP telephony network is a very important requirement for many companies who are adapting to the Digital Age. The QXFXS24 Gateway is the perfect solution for your business because it can be added to an IP network, therefore allowing your existing analog phones to join the new VoIP network. The QXFXS24 can be stacked for additional capacity. The QXFXS24 provides a number of powerful features not found on standard FXS gateways, including a detailed call routing table with digit manipulation options.

This Gateway can be installed with any SIP-compliant IP PBX on the market. The modular approach of Epygi Gateways allows you to retain an investment from the past analog phones, while adopting the latest technology with ease.

### PDF Downloads

- [QXFXS24 Tech Data Sheet](#)

### Key Facts

FXS ports	24
Ethernet LAN port	1
Ethernet WAN port	1
Call Routing capable of modifying caller ID or time of day routing	
Firewall, VPN Router, Stacking Options, Failover	

## QXFXS24 gateway configuration for sipXcom

Please refer to Epygi QXFXS24 manual for detailed information on how to configure QXFXS24 Gateway features. The examples below uses the QXFXS24 simply as a FXS gateway, and does not use the included Router functions. In this use case, the router is connected to sipXcom as an unmanaged gateway to connect 24 analog devices. Ethernet port is connected to the same local area network the sipXcom server is connected to. There are other use cases for the product, but this document does not attempt to provide installation assistance with those use cases.

## Configuring connectivity to sipXcom server

### Log into QXFXS23 Gateway and Run System Configuration Wizard.

**Host Name** – Give this device a unique Hostname

**Domain Name** – enter domain name used on sipXcom Server

**IP Address** – Provide unique IP address on same subnet as sipXcom Server

**Subnet Mask** – Provide Subnet Mask appropriate for this subnet

<Click Next>

It is recommended that the QXFXS24 is not used for the DHCP.

Untick the DHCP Option

<Click Next>

**Locale** – Select Country where Quadro is being installed

**Timezone** – Select correct timezone.

<Click Next>

View Summary Screen

<Click Finish>

### Run Internet Configuration Wizard

**Uplink Configuration** - Select Ethernet. Set speed to appropriate setting.

<Click Next>

**WAN IP Configuration** - Select IP method – DHCP or Manual. Enter WAN IP if Manual

<Click Next>

### PPTP Configuration Settings

<Click Next>

### Wan Interface Configuration

<Click Next>

### DNS Settings

Enter DNS address for the Network (I like to put sipXecs as the DNS server for this device)

<Click Next>

Review Summary Page

<Finish>

### Configure FXS Port Settings

Using the Bulk Import tools under Extension Management, you can import up to 24 extensions in the QXFXS24 Gateway.

The Bulk import tool provides two functions

- Common setting for the system

Click on Add - give your template a name

SIP Server - enter IP address for sipXcom server

SIP port to use - Leave at Default (5060)

Registration on SIP Server - checkmark this box

Save Settings

- Extension Import Settings

Download the import spreadsheet from Epygi support page

Fill out extension name, password, etc.

Ensure you set the template to the name of the template you just created.

Save spreadsheet.

Import spreadsheet to QXFXS24 gateway

Once imported, you will have to manually assign a port number to each extension via the FSX dropdown in the individual configuration page.

Once FXS port is assigned, the port will register in sipXecs server.

**Interface Type** - If Quadro is connected to a PBX, select Network for your interface type. Otherwise, select User

**Select Signaling Type** – CAS or CSS CSS=PRI

If you select CCS signaling type, you will be taken to a new screen – Signaling Type CCS

Enter PRI configuration information provided by your PRI service provider.

**Under Route Incoming Call** – Select *Route with Inbound Destination Number*

## Configuring sipXcom

No configuration is required within sipXcom for this device.

**TEST**

The QFXSW24 has extensive troubleshooting methods build into the system. These include packet captures, network port statistics, Event Logging, etc.