

### iServ by Epygi - QXFXS24 Gateway



Designed to be added to an IP network, the QXFXS24 Gateway allows existing analog phones to join the new VoIP network. The system is easily stacked for additional capacities and can be installed with any SIP-compliant IP PBX or plug-and-play with an Epygi QX IP PBX. This gateway is unique from other standard FXS gateways because of the numerous included features.

### Capabilities

<b>FXO PSTN Ports</b>	24
<b>Ethernet WAN Port</b>	1
<b>Ethernet LAN Port</b>	1
<ul style="list-style-type: none"> <li>• Call routing capable of modifying caller ID or time of day routing</li> <li>• Firewall</li> <li>• VPN Router</li> <li>• Stacking Options</li> <li>• Failover*</li> </ul>	

**Physical Dimensions:** 8.3" x 7.9" x 1.6" (21.0 x 20.0 x 4.0 cm)

#### Telephony

##### Basic PBX Features in stand-alone mode

- Call waiting
- Call history
- Hot Line
- Dial plans (call routing), time of day routing
- G3 fax support: T.38 and clear channel fax
- PC-Based Applications
- QX-Quadro Configuration Console (QCC)
- Epygi Media Streamer (EMS)

##### Additional PBX Features available when used with QX IP PBX

- Call blocking, forwarding, hold, transfer,
- Call Relay
- Caller ID detection and hiding caller ID
- Call park, call pickup
- Many Extension Ringing
- Call hunting
- Find Me / Follow Me
- Voicemail system
- Voicemail notification via SMS/email
- Caller ID-based voicemail profile
- Speed dial
- Hold music
- Alarm Service
- Dial & Announce
- Do Not Disturb
- Three-way conferencing

- Unified Fax Messaging

- Busy auto redial
- Directory assistance
- Class of Service
- Call queue

##### PC-Based Applications

- QX-Quadro Configuration Console (QCC)

##### 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 v2, SIP/TLS
- DTMF:
- In band & out of band signaling support

##### VoIP Data and Signaling Protocols

- ITU-T G.711, G.726, G.729 Annex A,
- G.168-2000, 2002, Q.23, Q.24;
- IETF RFC 3951- iLBC;
- Telcordia (Bellcore) GR.506, GR.181; ETS\_300 659\_1,2,3;
- SIP, SIP/TLS (RFCs: 2246, 3261, 3263,
- 3265, 3311, 3323, 3428, 3515, 3578,
- 3581, 3842, 3856, 3863, 3891, 3892,

- 4028, 4235)
- SDP (RFC: 2327, 4568)
- RTP/SRTP (RFCs: 1889, 1890, 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
- FSK message waiting indicator support

##### Connectivity

- Physical Interfaces
- Premise connections:
- 24 FXS short-loop FXS ports (RJ-21)
- 1 LAN Ethernet 10/100 BASE-T port (RJ-45)
- Uplink connections:
- 1 WAN Ethernet 10/100 BASE-T port (RJ-45) Phones
- 24 analog phones (or other analog devices) to connect via FXS ports
- Virtual extensions:
- Up to 200 virtual extensions can be added\*
- System Capacity
- Up to 24 simultaneous VoIP calls with external parties

##### Network

- Same specification (QXFX04)