

## QUADRO IP PBX COMPARISON CHART

	Quadro2x Models	Quadro4x Models	Quadro16x Models
<b>CONNECTIVITY</b>			
FXS	2 ports	4 ports	16 ports
IP phones (SIP/MGCP)	2	4 + 12	16 + 32
FXO	1 port	4x, 4xa, 4xs: 2 ports	16x, 16xa, 16xs: 4 ports
ISDN	2xi: 1 port	4xi, 4xia, 4xis: 1 port	16xi, 16xia, 16xis: 3 ports
WAN: Ethernet RJ45	1 port	4x, 4xi: 1 port	16x, 16xi: 1 port
WAN: ADSL		4xa, 4xia: 1 port	16xa, 16xia: 1 port
WAN: G.SHDSL		4xs, 4xis: 1 port	16xs, 16xis: 1 port
LAN: Ethernet RJ45	1 port	1 port	1 port
Maximal number of PBX extensions	24	70	70
Call signaling	SIP, Loop Start	SIP, Loop Start	SIP, Loop Start
USB support		Memory cards	Memory cards
Voice coding	G.711, G.723, G.726, G.729, iLBC	G.711, G.723, G.726, G.729, iLBC	G.711, G.723, G.726, G.729, iLBC
External connectivity: (Radius client for billing)	●	●	●
<b>PBX FEATURES</b>			
Lifeline POTS on extension 1	●	4x, 4xa, 4xs	16x, 16xa, 16xs
Call block, forward, hold, ID, park, relay, transfer, wait	●	●	●
Voice mail	●	●	●
Conferencing	●	●	●
Unified messaging	●	●	●
Automatic ring down	●	●	●
Auto attendant	●	●	●
Distinctive ring, hold music, speed dialing	●	●	●
Call statistics	●	●	●
Busy auto redial	●	●	●
T.38 fax, fax relay and clear channel fax	●	●	●
Directory assistance	●	●	●
Hunt group	●	●	●
<b>INTERNET</b>			
Browser configuration	●	●	●
Remote diagnostics and software upgrade	●	●	●
Remote system log analysis and download	●	●	●
STUN/NAT traversal	●	●	●
VPN IPSec, PPTP, L2TP, 3DES	●	●	●
DIFFSERV QoS	●	●	●
Intrusion detection	●	●	●
Policy and service filtering	●	●	●
Stateful inspection firewall	●	●	●
LAN DHCP server/WAN DHCP client	●	●	●
DYNDNS support	●	●	●
DNS server	●	●	●
SNTP	●	●	●
PPPoA		4xa, 4xs, 4xia, 4xis	16xa, 16xs, 16xia, 16xis
PPPoE	●	●	●
PAP/(MS)CHAP	●	●	●



Quadro®

THE GLOBAL PHONE NETWORK IN A BOX

# IP PBXs



## The Quadro "All In One Box" solution, designed and manufactured by Epygi Technologies, Ltd., begins a new era in telecommunications.

Quadro brings it all together — the value of free city-to-city long distance phone calls, the flexibility and ease of your preferred VoIP carrier, if you want a familiar local phone provider for emergency services and continuity, the ability to mix and match phone equipment with both IP phones and analog phones on the same network, and finally, the robust features of an intelligent, programmable PBX on your own premise. You are in control. It's your own Global Phone Network in a Box™.

Expand your home teleworker capabilities. Use your mobile phone to make overseas calls using only your local rate minutes. Or, make it part of your office phone system, and everyone can make free long distance or international calls. And that's just the start.

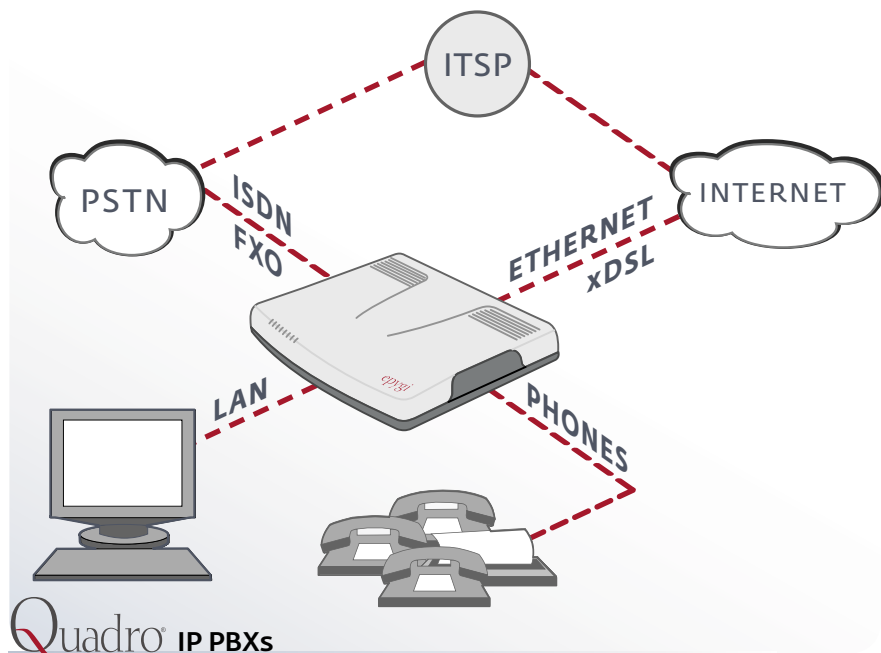
### It's Easy

Connect a Quadro to your broadband DSL, cable, or ISDN network interface. The Quadro automatically configures itself. In minutes, you are making Voice over IP calls for free. Connect IP phones, ordinary analog phones, or assign PBX trunks so that your entire office or household can use the Quadro. The voice quality through the Quadro's digital signal processor (DSP) is almost always better than your current long distance calls.

When there isn't a Quadro device on the other end, you can still call free of charge to any IP phone or computer. By using an Internet telephone VoIP gateway service provider (ITSP), you talk long-distance to anyone on the public phone network for pennies per minute.

### It's Flexible

FXO or ISDN lines go to your local phone company so you can make calls from home or on the road. When you call from outside the office, Quadro's Caller ID recognizes your mobile phone number and immediately authenticates your access to the Quadro.



Since the Quadro also contains call forwarding and call routing instructions, people who are out of the office can still be reached automatically. New York, Los Angeles, London, Tokyo or Buenos Aires, the world becomes your virtual office. Communications has never been so inexpensive, flexible or convenient.

### It's Secure

The Quadro has a lifeline safety feature in the event of a power failure. If your power goes out, one phone immediately connects to the public phone network for emergency services.

The Quadro has many PBX (Private Branch Exchange) features such as voicemail, 3-way conferencing, call waiting, and call statistics to name a few. The Quadro is also packed with network features including a firewall and a Virtual Private Network (VPN) for secure communications.

### It's Inexpensive

Realize a quick payback on your initial investment. Then enjoy recurring cost savings every time you use your Quadro. No obsolescence. No upgrades. No maintenance fees. No license fees.

## Revolutionary? Absolutely!



## Interfaces

A good place to start is always with the back panel. The Quadro IP PBXs offer connections for up to four phone lines (FXO), up to 16 phone extensions (FXS) and up to 16 LAN IP phones. Up to 32 additional IP phones may be connected, using a feature key. The ISDN variants (2xi, 4xi, 4xia, 4xis, 16xi, 16xia and 16xis) deliver up to three ISDN ports. An Ethernet 10/100BASE-T port connects all Quadro IP PBXs to your local area network. A 10BASE-T Ethernet port or an xDSL port allows access to your wide area network (WAN).

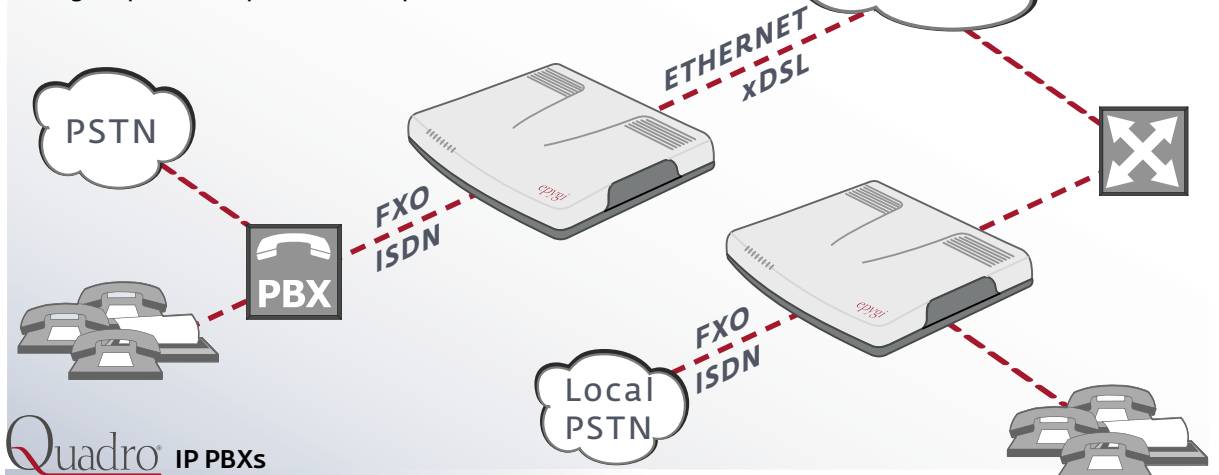


The Quadro prioritizes voice over data to enhance voice quality using a Codec that best meets your needs- G.711, G.723, G.726, G.729 and iLBC.

## How Does the Quadro Do It?

The Quadro is a very sophisticated and comprehensive system. If you wish, use the Quadro as your company's primary data router. Manage all your company's voice and data needs on one box.

The core of the Quadro is the Call Manager on a CPU running Linux software. The Call Manager maintains state and interfaces with the FXS and FXO ports (to set up and terminate voice calls). It also performs PBX functions. The Call Manager sends voice streams through the digital signal processor for voice compression.



Then, voice streams are passed from the DSP to the CPU where IP headers are added for routing via the Internet. Other IP applications include DHCP and PPP, Network Address Translation (NAT), RADIUS billing support, Network Time Protocol (NTP) for clock synchronization, a WEB server (HTTP) for configuration and monitoring, a Simple Mail Transfer Protocol (SMTP) client, a firewall, Intrusion Detection System (IDS), Domain Name Service (DNS), Virtual Private Network (VPN) and a Session Initiation Protocol (SIP) agent for retrieval of call routing information from public and private SIP servers.

Yet, all of this complexity is easy to maintain and direct with the streamlined GUI interface. You control your own voice mail, call forwarding, call blocking, priority (least cost) routing, messages and interactive voice prompts and voice mail. No longer does a small phone system suffer from a lack of robust features and sophisticated performance. Quadro also offers basic support for H.323 signaling.

## The Company

Epygi Technologies' headquarters is in Plano, Texas (North Dallas). Epygi products benefit from extensive knowledge in telecommunications, DSP voice processing and data networking. Epygi Sales and Development offices are in the United States, Canada, Spain, France, Italy, Germany, United Kingdom, Armenia and Japan. The company utilizes a sales organization of distributors and resellers. Our expanding product line includes IP PBXs, conference servers and gateways.