QX-DFXS24

The QX-DFXS24 is a multi-functional analog VoIP gateway designed to provide seamless connectivity between IP telephony networks and legacy infrastructure, including PSTN/POTS telephones, fax machines, and traditional PBX systems. Utilizing the standard SIP protocol, it ensures full interoperability with SIP-based telephony systems.

Key Features

- **Capacity:** 24 FXS ports for analog device integration.
- **Advanced Capabilities:** Support for Fax over IP (FoIP) and flexible, customizable dial plans.
- **Reliability:** Delivers high-quality Voice-over-IP services suitable for call centers, SMEs, SOHO, and residential environments.
- **System Integration:** Fully compatible with Epygi QX and UC-line IP PBXs.
- **Simplified Deployment:** Supports auto-configuration for quick, scalable integration, allowing legacy analog phones to access most features and services typically reserved for Epygi-supported IP phones.

Capabilities	
FXS ports	24
Ethernet LAN port	3
Ethernet WAN port	1
Fax over IP (T.38 and Pass-Through), IPv4 and IPv6 (Dual Stack), dial plan	

FEATURES

Telephony

Call Hold
Speed Dial
Do-not-disturb
3-Way Conference
Call Waiting
Blind Transfer
Attended Transfer
Call Forward on Busy
Call Forward on No Reply
Unconditional Call Forward
Message Waiting Indicator

Voice and FAX

Hook Flash
Modem/POS
T.38/Pass-through
Silence Suppression
Comfort Noise Generation (CNG)
Voice Activity Detection (VAD)
Echo Cancellation (G.168), with up to 128ms
Adaptive (Dynamic) Jitter Buffer
Programmable Gain Control
High-speed fax up to 14.4kbps
VLAN 802.1P/802.1Q (Voice/data/management VLANs)
Layer3 QoS and DiffServ
Audio Codecs: G.711A/U law, G.729A/B, G.726, iLBC, Opus optional
DTMF mode: Signal/RFC2833/INBAND

Connectivity

Physical Interfaces:
24 FXS ports (RJ-11 and RJ21), 1 LAN Ethernet 10/100/1000 BASE-T port (RJ-45)
Reversed Polarity
Dial Mode: DTMF and Pulse
Pulse: 10 and 20 PPS
CallerID: DTMF/FSK
Max Cable Length: 5KM
Programmable Call Progress Tone

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

VoIP

Protocol: SIP v2.0 (UDP/TCP), RFC3261, SDP(RFC2327), RTP(RFC2833), RFC3262, RFC3263, RFC3264, RFC3265, RFC3515, RFC2976, RFC3311, RFC3891, RFC3892
SIP over TLS
RTP/SRTP/RTCP, RFC2198, RFC1889
RFC4028 Session Timer
RFC3266 IPv6 in SDP
RFC2806 TEL URI
RFC3581 NAT, rport
Primary/backup SIP server
Outbound Proxy
DNS SRV/ A Query/NATPR Query
Early Media/Early Answer
NAT: STUN, Static/Dynamic NAT

System

CDR
Web
Auto Provisioning
Ping/Tracert Test
Network Capture
Outward Test (GR909)

Environmental

Power Supply: 100-240VAC, 50-60 Hz
Power Consumption: 40W(Typical)
Operating Temperature: 0°C ~ 45°C
Storage Temperature: -20°C ~80°C
Humidity: 10%-90% Non-Condensing
Dimensions(W/D/H): 440*250*44mm
Unit Weight: 3.2kg
Compliance: CE, FCC

TD-QX-DFXS24-Let-01

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