

FXS - FXO Analog Gateways

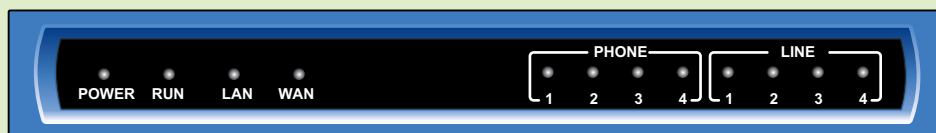


Unicorn 610x offers an easy to manage and easy to configure IP communications solution for any business with virtual and/or branch locations. Unicorn 610x includes 6104(2 FXS and 2 FXO) and 6108(4 FXS and 4 FXO). Each supports popular voice codecs and is designed for full SIP compatibility and interoperability with 3rd party SIP providers, thus enabling you to fully leverage the benefits of VoIP technology, integrate a traditional phone system into a VoIP network, and efficiently manage communication cost.

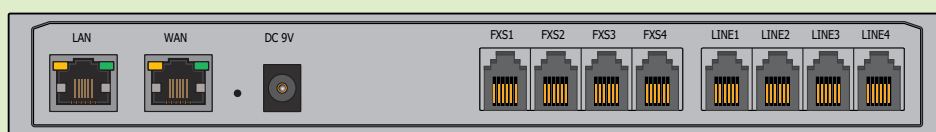
Features

- 2 FXS and 2 FXO Ports, 4 FXS and 4 FXO Ports
- Two RJ-45 ports (switched or routed)
- Multiple SIP accounts & profiles (4 or 8 accounts / choice of 2 profiles per account)
- Voice Codecs: G711(a/μ), G723.1A, G726 (ADPCM with 16/24/32/40 bit rates), G729 A/B
- T.30 and T.38 Fax
- G.168 Echo Cancellation

Unicorn 6108 Display Panel



Unicorn6108 Back Panel



Technical Specifications

	Unicorn6104	Unicorn6108
Telephone Interfaces	2 RJ11 FXS Ports and 2 RJ11 FXO Ports	4 RJ11 FXS Ports and 4 RJ11 FXO Ports
Network Interfaces	10/100 Mbps, Dual RJ45 Ports	
Power Interface	External Adapter with 100V-240V AC Input,50/60 Hz,9V,2A DC Output	
Multiple SIP Server	Up to 2 Distinct SIP Server Profiles Per System and Independent SIP Account Per Ports	
VoIP protocols	SIPv2 - Session Initiation Protocol (RFC 3261, 3262, 3263),	
	SDP - Session Description Protocol (RFC 2327)	
	RTP - Real-Time Protocol (RFC 1889, 1890)	
	RTCP - Real-Time Control Protocol (RFC 1889)	
	RFC 2833 X-NSE Tone Events for SIP/RTP	
	RFC 2833 AVT Tone Events for SIP/RTP	
Network Protocols	IPv4 - Internet Protocol Version 4 (RFC 791)	
	TCP - Transmission Control Protocol (RFC 793)	
	UDP - User Datagram Protocol (RFC 768)	
	ICMP - Internet Control Message Protocol (RFC 792)	
	RARP - Reverse Address Resolution Protocol (RFC 903)	
	ARP - Address Resolution Protocol (RFC 826)	
	DNS- Domain Name Server	
	DHCP - Dynamic Host Control Protocol (RFC 2131)	
	NTP - Network Time Protocol (RFC 1305)	
	SNTP - Simple Network Time Protocol (RFC 2030)	
	STUN - Simple Traversal of UDP over NATs (RFC 3789)	
	HTTP - HyperText Transfer Protocol	
	TFTP - Trivial File Transfer Protocol (RFC 1350)	
UPnP - Understanding Universal Plug and Play		
NAT/Firewall Support	Router	
	NAT Firewall	
	Port Forwarding	
	DHCP Client/Server	
	PPPoE - Point to Point Protocol over Ethernet (RFC 2516)	
Voice Codecs	G.711 - Pulse Code Modulation(a law and u law)	
	G.723.1 - 6.4 and 5.3 kbps ACELP/MP-MLQ	
	G.726 - 16, 24, 32 and 40 kbps ADPCM	
	G.729A - 8 kbps CS-ACELP	
	G.729B - Silence Detection/Comfort Noise Generation	
Line-echo cancellation	G.168 Line Echo Cancellation	
	Echo Canceller for Each Port	
	16 ms ~ 64ms Echo Length	
	Nonlinear Echo Suppression	
	Double-Talk Detection	
Fax Support	G.711 Fax Pass-Through	
	T.38 - Real-Time Fax Over IP	
Telephony	Q.24 DTMF Generation	
	Q.24 DTMF Detection	
	Caller ID Generation: FSK, DTMF, Bellcore, NTT	
	Caller ID Detection: FSK, DTMF, Bellcore, NTT	
	3-way Conference Calling with Local Mixing	
Quality of Service	Layer 2 Class-of-Service (CoS) Tagging (802.1P)	
	Layer 2 (802.1Q VLAN)	
	Layer 3 Type-of-Service (ToS) Tagging (RFC 791/1349)	
Call Features	Caller ID Display or Block,Call Waiting,Flash,Call Transfer,Hold,Forward,Mute,3-Way Conference	
Provisioning	Web Interface or Via Secure Center Configure File for Mas Deployment	
	Remote Software Upgrade(via HTTP/TFTP)	
Compliance	FCC/CE	