

TECHNICAL SPECIFICATIONS



SETU VFX440 - VoIP-FXO Gateway with 4 VoIP and 4 FXO Ports

SETU VFX series is a range of multi-channel VoIP - **FXO** and **FXS** Gateways.

SETU VFX - the VoIP-**FXO** and **FXS** Gateways enable small and medium businesses to create a seamless office environment, integrate a traditional phone system into an IP network, and significantly reduce communication costs. These Gateways are ideally suitable for business and consumer VoIP services, including call centers and multi-location environments.

SETU VFX also enables large organizations to connect branch offices dispersed globally for Site-to-Site IP Telephony. This in turn reduces communication costs and helps them utilize existing telecom infrastructure.

VoIP	SETU VFX
SIP Accounts	9
Data Network	2 Port 10/100 Base-T (RJ45)
VoIP Protocol	SIPv2, SDP, RTP (RFC 2833)
Network Protocol	IPv4, TCP, UDP, PPPoE, DHCP Server & Client, SNTP, NAT, STUN, HTTP, DynDNS, Port Forwarding, and DMZ

Voice Codecs	G.711 A/ μ -Law, G.723.1, G.729AB, iLBC, GSM-FR
Line Echo Cancellation	G.168 with 128ms Tail Length
Voice Processing Techniques	Dynamic Jitter Buffer (Adaptive)
	Comfort Noise Generation (CNG)
	Voice Activity Detection (VAD)
Fax over IP (FoIP)	T.38 and Pass-Through
Quality of Service (QoS)	Layer 3 DiffServ and ToS
Security	SRTP/TLS over SIP

FXO	
Signaling	Loop Start
Connector	RJ11
Lifeline Support	1 (SETU VFX404 and SETU VFX808)
Loop Limit	1200W
DTMF Dialing & Reception	ITU-T Q.23 and Q.24
CLI Reception	DTMF, FSK ITU-T V.23 and FSK Bellcore 202, TEL URI
Call Maturity	Delay and Polarity Reversal

FXS	
Signaling	Loop Start
Connector	RJ11
Loop Limit	1800W (Max.) Excluding Telephone Set
DTMF Dialing & Reception	ITU-T Q.23 and Q.24
CLI Reception	DTMF, FSK ITU-T V.23 and FSK Bellcore 202
Return Loss	>18dB

POWER	
Supply (Input)	12V DC, 2A
Consumption (Typical)	15W

MECHANICAL

Dimension: W x H x D	16.2 x 5.6 x 23.1 cm
Weight	0.8Kgs (1.76lbs)

ENVIRONMENTAL

Operating Temperature	-10°C to +50°C
Storage Temperature	-40°C to +85°C

Note: Specifications are subject to change without prior notice

ABOUT MATRIX

Established in 1991, Matrix is a leader in Security and Telecom solutions for modern businesses and enterprises. As a technology-driven and customer-focused organization, the company is committed to keeping pace with the revolutions in the Security and Telecom industries.

With around 40% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products like Video Surveillance Systems – Video Management Systems, Network Video Recorders and IP Camera, Access Control and Time-Attendance Systems as well as Telecom Solutions such as Unified Communications, IP-PBX, Universal Gateways, VoIP and GSM Gateways and Communication Endpoints. These solutions are feature-rich, reliable, and conform to international standards.

Having global footprints in Asia, Europe, North America, South America, and Africa through an extensive network of more than 4000+ channel partners, Matrix ensures that the products serve the needs of its customers faster and longer.

Matrix has ISO 27001: 2013, 20000-1 2018, 14001- 2015, and 9001: 2015 certifications for quality management standards. Matrix has also been awarded ZED Quality Certification, and DSIR Certification for indigenous R&D and Manufacturing. Matrix has gained the trust and admiration of customers representing the entire spectrum of industries.



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