

## TECHNICAL SPECIFICATIONS



### SETU VFX404 - VoIP-FXO Gateway with 4 VoIP and 4 FXS Ports

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

SETU VFX - the VoIP-**FXS** and **FXO** 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
<b>SIP Accounts</b>	9
<b>Data Network</b>	2 Port 10/100 Base-T (RJ45)
<b>VoIP Protocol</b>	SIPv2, SDP, RTP (RFC 2833)

<b>Network Protocol</b>	IPv4, TCP, UDP, PPPoE, DHCP Server & Client, SNTP, NAT, STUN, HTTP, DynDNS, Port Forwarding, and DMZ
<b>Voice Codecs</b>	G.711 A/μ-Law, G.723.1, G.729AB, iLBC, GSM-FR
<b>Line Echo Cancellation</b>	G.168 with 128ms Tail Length
<b>Voice Processing Techniques</b>	Dynamic Jitter Buffer (Adaptive)
	Comfort Noise Generation (CNG)
	Voice Activity Detection (VAD)
<b>Fax over IP (FoIP)</b>	T.38 and Pass-Through
<b>Quality of Service (QoS)</b>	Layer 3 DiffServ and ToS
<b>Security</b>	SRTP/TLS over SIP

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

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

<b>POWER</b>	
<b>Supply (Input)</b>	12V DC, 2A
<b>Consumption (Typical)</b>	15W

<b>MECHANICAL</b>	
<b>Dimensions: W x H x D</b>	16.2 x 5.6 x 23.1 cm
<b>Weight</b>	0.8Kgs (1.76lbs)

<b>ENVIRONMENTAL</b>	
<b>Operating Temperature</b>	-10°C to +50°C
<b>Storage temperature</b>	-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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