

TECHNICAL SPECIFICATIONS



MATRIX ETERNITY PENX

ETERNITY PENX is an integrated IP-PBX with seamless mobility. This new platform offers higher RAM and enhanced features of the SARVAM application. With ETERNITY PENX, Matrix offers up to 100 IP users and about 6 universal slots. However, PENX now runs on the SARVAM UCS platform to provide convergence with traditional technology.

This provides the customers with the smart benefit of hybrid technology that can help them seamlessly switch and bridge between legacy equipment, trending IP technologies, and next-gen unified communication.

SYSTEM CAPACITY	ETERNITY PENX
Universal slots	6
FXS ports (SLT)	48
DKP port	16
IP users	100
FXO ports (CO)	16
PRI ports	2
GSM#/3G/4G VoLTE ports	How about 5G ?
SIP Trunks	50
Max. VoIP Channel	64
Max. VMS Channel	16

Max. IP to IP Call (Transcoding)	32
Max. IP to IP Call (DRTP/Relay RTP)	64
Max. IP to TDM Call	64
Max. TDM to TDM	Non-Blocking

SYSTEM CAPACITY	ETERNITY PENX
No. of Voice module	16 What is this
Simultaneous Voice Module Playback	5
Max. Audio conference participants (System wide)	48
Max. Audio conference participants (In a single multi-party conference)	15
Max. Number of simultaneous 3-party conference	16
VoIP Protocol	SIP, SDP, RTP, SRTP
Network Protocol	IPV6, IPV4, TCP, UDP, VLAN, DHCP, PPPoE, QoS, STUN
Transport Protocol	UDP, TCP, TLS
Codec	G.711 (A-law, μ -Law), G.723, G.729AB, GSM-FR, iLBC
DTMF	RTP (RFC2833), SIP Info, IN-Band
LAN	Gigabit port
WAN	Gigabit port
Voicemail	Yes
Call recording	2170 Hr.
USB storage capacity	64 GB
Internal USB port	1
External USB port	1
Environment	Operation range: 0°C to 45°C Storage range: -20°C to +70°C Operating humidity: 5-95% RH Non-Condensing
Mounting	1U Rack Mount, Tabletop

****: For compatibility and use of Matrix GSM products (2G and 4G) in Russia and Iran province connect with Matrix sales or technical support team***

Note: Specifications are subject to change without prior notice

Established in 1991, Matrix is a leader in Security and Telecom solutions for modern organizations. Matrix offers a comprehensive range of solutions for IP Video Surveillance, Access Control, Time-Attendance, and Telecom applications. The solutions are designed to meet the communication and security requirements of large enterprises having offices in multiple locations, SMEs, and SMBs.

As an innovative, technology-driven, and customer-focused organization, Matrix 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 over 60 cutting-edge products and solutions.

IP Video Surveillance includes solutions like Video Management Systems, Network Video Recorders, and IP Cameras. Likewise, solutions in Access Control and Time-Attendance include Visitor Management Solutions, Elevator Access Control, Panels, Door Controllers, and Readers.

We offer Telecom Solutions such as Unified Communications, IP-PBX, Universal Media Gateways, VoIP and GSM Gateways, and Communication Endpoints. All these solutions are feature-rich, reliable, and conform to international standards.



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