

## TECHNICAL DATASHEET

# ETERNITY PENX

*The Hybrid IP PBX for Modern SMBs*

## ADVANCED HYBRID COMMUNICATION PLATFORM FOR SMALL MEDIUM BUSINESSES



# MATRIX ETERNITY PENX

The current day corporate globe twirls around with changes almost about every day now. To survive in such a market, the modern businesses require a robust solution that can help them keep up with the day-to-day trends, while helping them maintain their legacy approaches. That is exactly what Matrix brings to the new-age enterprises' tables under the name of ETERNITY PENX – The Hybrid IP-PBX. Armed to answer all and every business communication woes, this device is crafted to boost your office productivity exceptionally.

## MATRIX ETERNITY PENX

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

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

### TECHNICAL SPECIFICATIONS

SYSTEM CAPACITY	ETERNITY PENX
Universal slots	6
FXS Ports (SLT)	48
DKP Port	16
IP User	100
FXO Ports (CO)	16
PRI ports	2
GSM / 3G / 4G VoLTE Ports	8
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
No of Voice Module	16
Simultaneous Voice Module Playback	5
Max. Audio conference Participants (System Wide)	48

<b>SYSTEM CAPACITY</b>	<b>ETERNITY PENX</b>
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.
Max. External Storage	32GB
Inter 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

# MATRIX PENX IP-PBX BENEFITS



## VMS & Recording

Interactive Voice Response  
Voice Recording  
Multi-Level IVR  
Voicemail Box



## IP PBX

Ipv4 & IPv6 **NEW**  
99 SIP Trunk  
100 IP Users **NEW**  
Standard SIP Support  
SIP over UDP / TCP / TLS



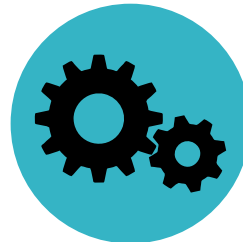
## UC Clients

Voice & Video Calls  
Presence & IM  
Auto Sign-in **NEW**  
Screen /Application sharing **NEW**  
with VARTA WIN200



## GSM/WCDMA/LTE

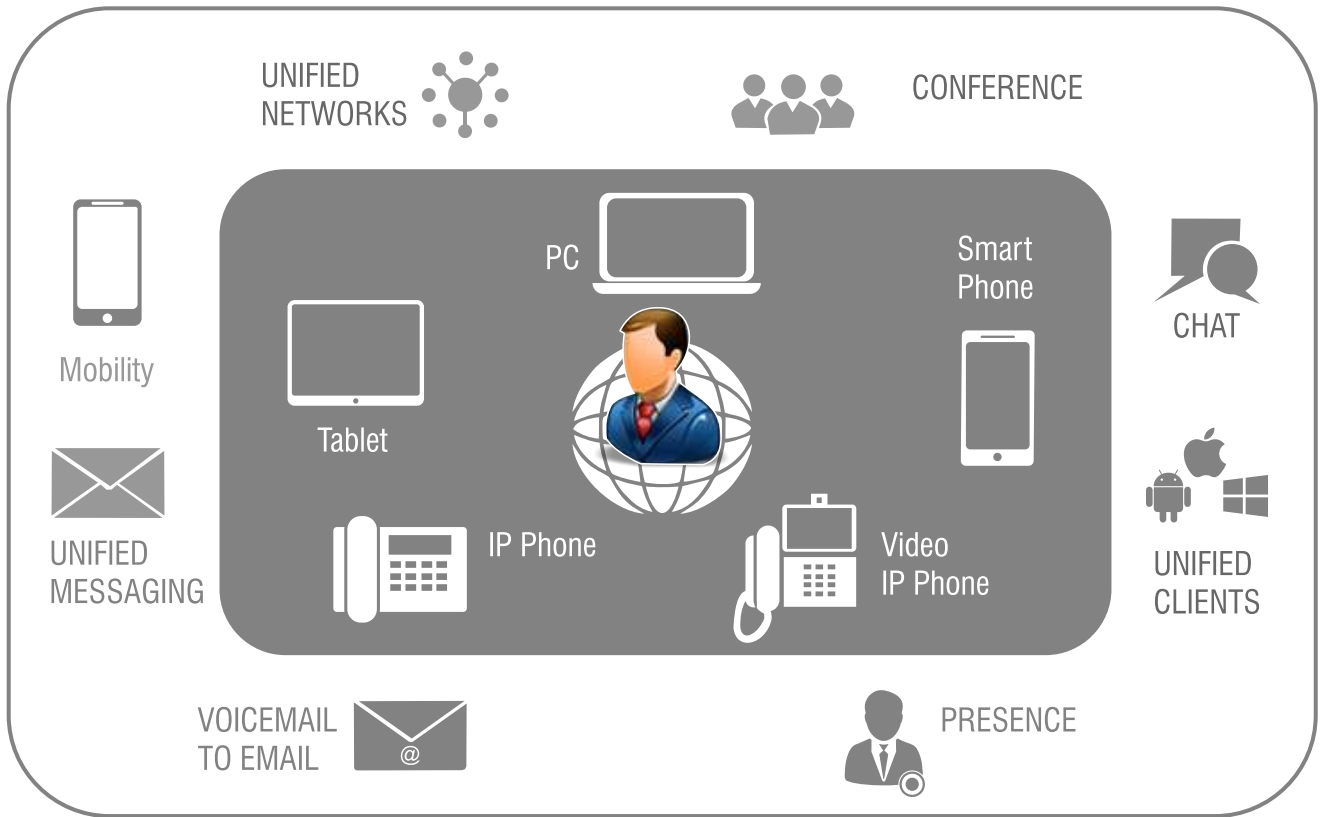
**GSM:** B2/B3/B5/B8  
**3G:** B1/B2/B4/B5/B6/B8/B19  
**4GFDD:** B1/B2/B3/B4/B5/B7/B8/B12/B13  
/B18/B19/B20/B25/B26/B28  
**4G TDD:** B38/B39/B40/B41  
**Antenna:** 3.0 dB, SMA Interface



## Integrations

CTI **NEW**  
LDAP Client  
SMS Server & SMS  
Gateway

# UC APPLICATION



# USER TERMINALS



# MATRIX SARVAM UCS - BENEFITS

## UC SERVER FOR ALL YOUR COMMUNICATION



Leverage your existing infrastructure and connect Analog, Digital, IP/SIP phone and Smartphones on a common communication platform.



## COMMUNICATE ANYTIME, ANYWHERE



Extend your on-the-move workforce calling, messaging, video calling feature on their own device that they get in the office. It gives them freedom from being tied up to their desk.



## SOLUTION THAT GROWS WITH YOUR BUSINESS



Secure anytime scalability that helps your expand without being overburdened by new investments



## SIMPLE ADMINISTRATION AND MANAGEMENT



Organizations prefer communication system that is easy to manage and maintain so that no specialized manpower is required. SARVAM UCS offers web-based configuration that makes it easy to deploy and maintain. Furthermore with the support of SNMPv1/v2c/v3, it helps manage and monitor network elements, audit network usage and detect network faults.



## ENHANCE CUSTOMER RESPONSIVENESS



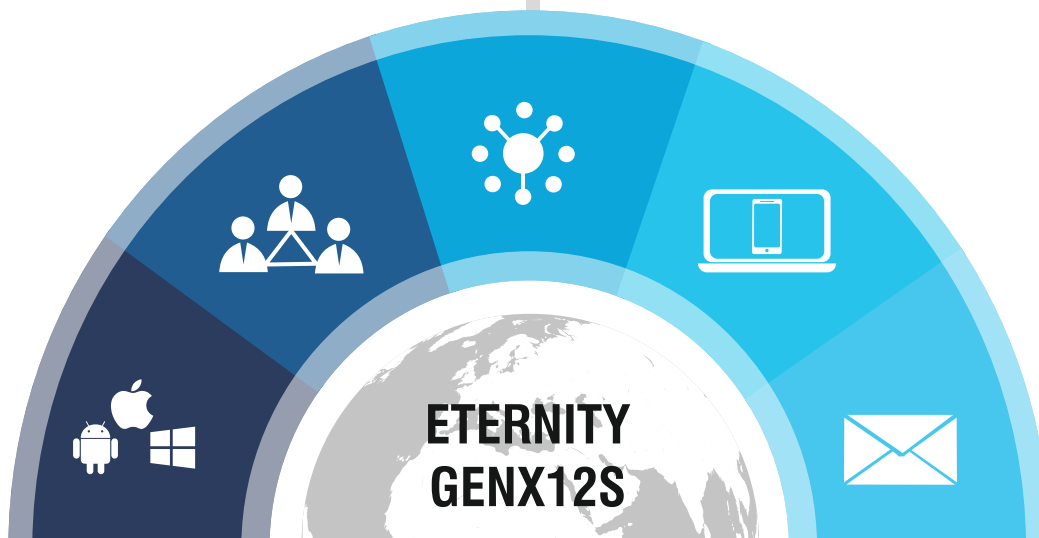
With powerful communication tools that support voice, chat and video calling, it enhances workforce response to customers / clients.



## PROTECT YOUR INVESTMENT



As technology continues to move forward across digital, IP and SIP-based solutions, SARVAM UCS is a future-proof solution offering IP at core and extend your investment.



## About Matrix

Established in 1991, Matrix is a leader in Telecom and Security solutions for modern businesses and enterprises. Matrix, an innovative, technology driven and customer focused organization, is committed to keep pace with the revolutions in the telecom and security industries. With more than 40% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products like IP-PBX, Universal Gateways, VoIP Gateways and Terminals, GSM Gateways, Access Control, Time-Attendance and Video Surveillance solutions. These solutions are feature-rich, reliable and conform to the international standards. Having global footprints in Asia, Europe, North America, South America, and Africa through an extensive network of more than 2,500 channel partners, Matrix ensures that the products serve the needs of its customers faster and longer. Matrix has gained trust and admiration of customers representing the entire spectrum of industries. Matrix has won many international awards for its innovative products.



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