



## ETERNITY PE

The SMB IP-PBX with Seamless Mobility and Universal Connectivity

The modern growing businesses often face bigger challenges than those faced by the established and large entities. These small and mid-sized organizations need to be more agile and productive with limited resources. Therefore a modern communication system that can help to respond fast, boost productivity and reduce its acquisition and operational costs is the need-of-the-hour. The communication platform should offer all the functions of a large and expensive system minus the price tag.

Presenting, Matrix ETERNITY PE - The SMB IP-PBX designed specifically for small and mid-sized businesses destined to become tomorrow's enterprises.

ETERNITY PE offers interface to all-pervasive legacy and new generation wireless telephony networks like POTS, ISDN, GSM/3G and VoIP for seamless connectivity and least cost routing. Further, ETERNITY PE offers flexibility to choose from variety of user terminals such as analog phones, digital key phones, IP phones, SIP softphone, SIP handsets and mobile phones as office extensions. This flexibility means complete freedom from being tied to your desk and ability to communicate from anywhere.



## UNIQUE ADVANTAGES

### Technology

ETERNITY PE is designed with unique distributed processing architecture and intelligent local processing units for each card. It employs 32-bit ARM RISC as the main processor. Integrated DSP based SLIC and DAA are used for FXS and FXO interfaces. Best-of-breed software protocol stacks are used for digital interfaces like ISDN BRI, T1/E1/PRI and VoIP SIP.

### Connectivity

ETERNITY PE comes with various interfaces to meet diverse application needs. Following traditional and new-generation telecom interfaces are supported.

Trunk-side Connectivity	User-side Connectivity
Analog CO Lines	Single Line Telephones (SLT)
GSM/UMTS (3G) Trunks	Digital Key Phones (DKP)
VoIP (SIP) Trunks	IP Key Phones
T1/E1/PRI (TE/NT) Trunks	IP Phones (SIP based)
ISDN BRI (TE/NT) Trunks	Mobile Extensions
Voice Mail System	SIP Softphones
	Mobile Phones with SIP Client
	Door Phone (4-Wire)

### Integration

ETERNITY PE provides value-added features such as Caller ID detection, Auto-Attendant, Audio conferencing circuits, Music-on-Hold, DISA, SMDR as default without any additional cost and reduces overall acquisition cost.

### Flexibility and Scalability

ETERNITY PE comes in three variants - PE3SS, PE3SP and PE6SP with different ports configuration. All these variants use the same set of interface cards and power supply for ease of installation and cost-effective expansion. Further, the modular interface cards offered for CO trunk, Digital and Analog ports help to satisfy specific requirements such that users don't have to spend a single penny on extra idle port.

### Features and Functionalities

ETERNITY PE is a feature-packed IP-PBX offering advance features and functionalities such as enterprise-grade call management features, built-in hotel software, universal gateway application, multi-site networking over ISDN PRI, QSIG and IP, Advanced IP telephony features etc. to meet any demanding application scenario. Please refer key features for more details.

### Web-based Remote Management

With built-in web server functionality, system administrator can monitor and configure all the parameters of ETERNITY PE from any remote location. This in-turn saves time and cost of providing essential technical support. ETERNITY PE web server supports languages like English, French, Spanish, German, Portuguese and Italian for ease of configuration in local language.

### Simplified Licensing

ETERNITY PE is supplied with built-in standard features which can be upgraded with application specific features using simplified license packages.

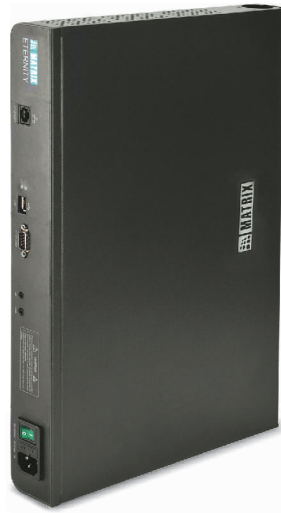
- Mobility Features License
- Hospitality Features License
- Gateway Features License
- IP Users License
- PMS License
- QSIG License

## ETERNITY PE APPLICATIONS

- SMB PBX-KTS
- SMB IP-PBX
- Office Intercom
- Housing Intercom
- Branch Office Gateway
- Universal Gateway
- Hotel PBX

## ETERNITY PE VARIANTS

- ETERNITY PE3SS (3 Universal Slots and Up to 24 User Ports)
- ETERNITY PE3SP (3 Universal Slots and Up to 24 User Ports)
- ETERNITY PE6SP (6 Universal Slots and Up to 48 User Ports)

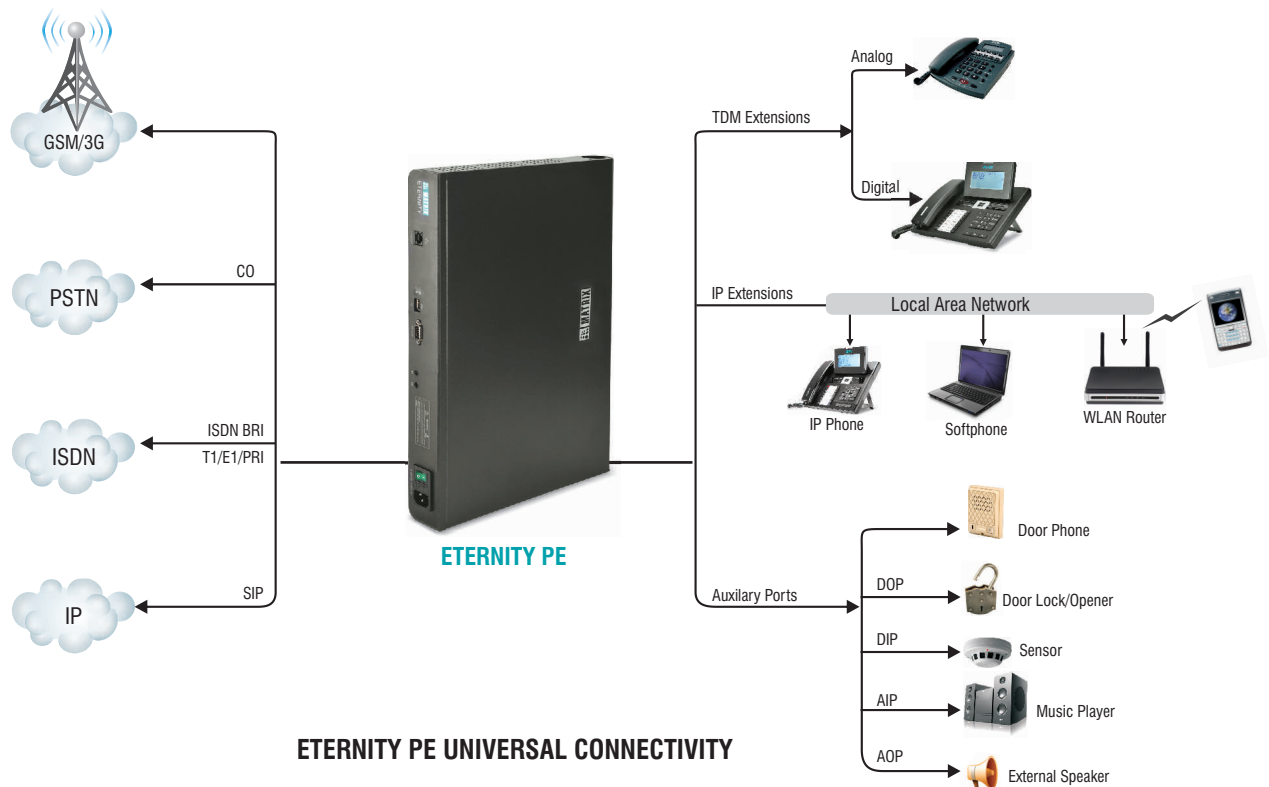


ETERNITY PE6SP



ETERNITY PE3SP

ETERNITY PE3SS



**ETERNITY PE UNIVERSAL CONNECTIVITY**

## KEY FEATURES

### Auto-Attendant

Auto-Attendant allows the caller to directly reach an extension without operator assistance. Different messages like Welcome Message, Dial-by-Name, Dial Extension, Busy, No Reply, Wrong Number Dialed and Transferring to the Operator are played according to the situation. ETERNITY PE can handle 5 callers simultaneously, a virtually impossible feat to accomplish for a human operator.

### Automatic Number Translation

ETERNITY PE automatically adds specific area/country codes or trunk access codes to simplify the dialing procedure. Now users have the convenience to place call without worrying on which network or region the call is to be placed.

### Call Budget on Trunks

This feature allows users to set monthly call budget for all users in order to control the usage of system resources. The system automatically restricts the outward dialing privileges of an extension if the user exceeds the call budget value.

### Call Budget on Extensions

Attractive schemes of free minutes or talk-time per month/year offered by different service providers can be leveraged by defining call budget in terms of amount and minutes on the trunks i.e. CO lines, GSM, UMTS (3G) and SIP. Once the budget gets exhausted, it does not allow further outgoing calls. Amount and minutes consumed on each trunk port can be cleared either manually or automatically on specified date of every month, to a specified value.

### Call Detail Record - 12000 Call Records

The advanced search module allows detail report generation and printing for all outgoing, incoming and internal calls with strong filtering capability and separate buffer capacity for each category. The ETERNITY PE CDR has buffer capacity of 6000 outgoing, 5000 incoming and 1000 internal calls.

### Call Duration Control

This cost control feature allows user-specific call duration control with multiple options for each type of call. This feature includes disconnection of incoming, outgoing, intercom calls, selective long distance or international calls after a pre-defined duration. It gives warning tone after a pre-defined duration to keep track of time and disconnects call if programmed so.

### Conference - Multiple Participants

ETERNITY PE6SP supports 15 parties while PE3SS and PE3SP support 6 parties in a single conference without compromising the speech quality. Multiple sessions of 3 or many participants can be conducted simultaneously.

### Conference Dial-in

This unique feature allows participants of a conference to dial into a live conference at a scheduled time just by dialing a code. Certainly, a great time-saving feature!

### CLI based Routing

The dedicated code detector circuits identify the Caller Line (trunk call) and route the incoming call directly to the respective users if the incoming number matches with CLI table entries. As many as 400 such external numbers can be programmed in ETERNITY PE. Users with DKP and IP Key Phone can have display of caller name, if programmed accordingly.

### Closed User Group (With/Without Exchange ID)

In applications such as Group PBX, where two or more PBXs are connected to each other using T1/E1/PRI or QSIG, the users of either PBX can connect to other PBX users just by dialing station number. User need not dial a separate code to access station user of other PBX. This feature allows multiple PBXs to work as a single entity and calling in between as single PBX system.

### Conversation Recording

The user can use VMS to record his conversation in his mailbox. This helps the user to keep a record of the points discussed and agreed upon with business associate, a boon for businesses that work on verbal commitment. It should be used in accordance with the local laws.

### Direct Inward Dialing (Voice Guided)

Direct inward dialing feature performs the task of an operator by greeting the external caller and transferring call to the desired station. Five callers can be handled simultaneously.

### Direct Inward System Access (DISA)

DISA allows a user to access the system's resources from a remote location, to make calls to/from any of the stations, activate/deactivate features of any station and even program or administer the system.

### Distinctive Ringing

Eight types of ringing cadences identifies the type of incoming calls like internal call, call from senior, emergency, door phone, alarms an auto redial. This prior intimation helps user to respond the call in a professional way with desired information.

### Dual Ring

This feature allows user to attend desk call on their Mobile handset. Simultaneous ringing on internal extensions as well as on mobile handsets is also possible. Whichever answers first will be able to converse and the other one disconnects. It is a boon to people who keep on traveling and yet can attend their desk calls.

### Emergency Call Detection and Reporting

ETERNITY PE allows user to program the emergency number and can be dialed from any extension, even from those that do not have trunk access. If any user from the organization dials an emergency number for example, '911', the operator is immediately informed about the extension from which the number was dialed. This helps the operator to take necessary action.

### Least Cost Routing

ETERNITY PE helps to reduce telecom cost by intelligently placing outgoing calls depending up on time of call, number dialed or the network to be used. ETERNITY PE automatically selects appropriate trunks to make long-distance calls, local calls, mobile calls and calls to be made during specific time of the day i.e. day or night hours ensuring every outgoing call is made at least incurred cost.

### Live Call Supervision

A great monitoring-cum-security feature lets the supervisor know the phone number which an extension user is currently talking to.

### Logical Partitioning

In fulfillment of the telecom regulatory requirements of different countries, ETERNITY PE comes with special call control feature 'Logical Partitioning' to allow or restrict calls between CO, VoIP, GSM/3G, ISDN BRI and T1/E1/PRI Networks.

### Multi-Stage Dialing

There are many applications requiring user to dial or insert a fixed number before dialing actual number. An abbreviated short code can be programmed to eliminate numbers of dialing stages. A convenient feature which processes calls faster and saves time.

### Paging - Internal

ETERNITY PE allows users to make important announcements to other users of Digital and IP Key Phones without calling each extension individually. User can define various paging zones to which announcement is to be made. When the call is made to a particular paging zone, the speaker of all the extensions included in paging zone automatically goes off-hook.

### Paging - External

The premium models of ETERNITY PE - PE3SP and PE6SP provides Analog Output port to interface external paging equipment i.e. external speaker. Now User can broadcast important announcements to common employee areas such as cafeteria, factory, assembly hall etc. just by lifting the phone and dialing a code. Mass communication at its best!

### Priority

Certain calls like call from CEO, call from special or private trunk line, call on hotline, etc. requires higher priority of access over others. ETERNITY PE allows certain calls to get priority over others while waiting to get connected to a station or trunk.

### Remote Programming

ETERNITY PE can be engineered for change in its programming from a remote location by Analog Telephone, Digital or IP Key Phone, Mobile Phone and Web-based programming wizard.

### Returning Call to Original Caller (RCOC)

ETERNITY PE can be programmed to maintain records of all unsuccessful calls originated from GSM/3G, ISDN BRI, T1/E1/PRI and VoIP (SIP) Trunks due to No Reply, Busy and such similar conditions. In the event of such a call being returned, it routes the call to the original caller.

### Security Dialing and Reporting\*

ETERNITY PE provides an option to connect sensors like glass break sensor, magnetic sensor, smoke detector etc. to the Digital Input Port. In case of emergency, this feature dials 3 different numbers and plays a pre-recorded message. The called person can also be asked to confirm that the message has been heard.

### System Administration Mode

System Administrator (SA) mode is one of the different programming modes which ETERNITY PE provides for security purpose. SA mode is used to program the features like SMDR generation, Setting Report Filters, Class of Service, Hotel-Motel features, etc. SA mode is password protected to prevent unauthorized access to the system.

### Time Tables

Time table allows the user to program the system to work in a different way according to the time and day of the week. It allows flexible programming for 3 time zones:

- Working hours
- Break hours
- Non-working hours

Each day of week can be programmed with different time zone limits. Thus long distance dialing access may be denied to certain stations after working hours or trunk calls may directly reach the security office after the office closes, or a specific message can be played on a holiday.

### Upgrading Software

The software of ETERNITY PE can be conveniently upgraded through a CD/DVD. What's more, the software can be upgraded even with a file transferred through an email.

## MOBILITY FEATURES

### System Call Back

This feature is used to respond to the specific incoming call on any of the ETERNITY PE trunk ports which was disconnected by the caller. In case of an Incoming call is disconnected by the caller during period 'Call Back Timer' configured in the system. The system will initiate the call back, if the caller's CLI is matching and prefix configured in the 'Trusted Caller List'. When the called party attends the call, it will be established as per the option selected viz. DID call or DISA call or call routed to the Operator.

### Mobile Extension

ETERNITY PE provides true mobility to its users by allowing them to use their mobile phones as PBX extension. ETERNITY PE replicates the functionalities of desk phone on a user's mobile phone. This allows the field workers to make and receive calls and access to system features while roaming in field. The mobile users can leverage almost all PBX functions like Call Transfer, Forward, Voice Mail, Directory Dial, Conference etc. from within and outside the office.

### Direct Inward System Access - Automatic

This feature allows a mobile user to access the system without the need to provide any authentication details. A user gets system access based on his Caller ID. The system can remember 999 such numbers and whenever the user calls the system, it automatically grants him access to dial internal extensions, make long distance or international calls using system trunk resources and access various system features.

### Scheduled Call Forward

This feature allows users to automatically forward their extension calls to desired external numbers based on three pre-defined time zones. For example, it is possible to automatically forward user extension call to Mobile 1 during working hours, to home phone during break hours, and to Mobile 2 during non-working hours.

## ADVANCE IP FEATURES

### Proxy Server

The optional VoIP card in ETERNITY PE can register as a SIP proxy server. This allows VoIP services offered by ITSPs to be shared among analog, digital or IP users of the system. As many as 4 SIP accounts from different ITSPs can be subscribed for higher trunk capacity and redundancy to use alternate trunk in congestion or service break-ups.

### Registrar Server

ETERNITY PE can register up to 50 local or remote IP extensions with flexibility to choose from multiple devices to function as IP extension. IP extensions can be IP desk phone, Softphone installed in PC or Laptop, SIP handsets and Mobile phones with SIP client. The Registrar server authenticates IP users, stores their user name and authentication passwords and maintains the real-time status of devices used by them for communication.

### SIP Call Forking

SIP offers Uniform Resource Identifier (URI) to map user's identity to multiple devices. Up to three such terminals can be programmed for a single user. So, when a call is initiated to those extensions, it is attempted to all (3) user terminals in parallel, known as call forking. The user now experiences extended connectivity; no matter whether he uses an office IP phone, cell phone (with SIP client) or an IP softphone to communicate.

### Dynamic DNS (DDNS)

Dynamic DNS client automates the discovery and registration of IP addresses on the public network. The remote administrator and the IP clients can always connect to the ETERNITY PE using Domain Name associated with the dynamic IP. DDNS supports ETERNITY PE to work without a fixed IP on the public network.

### NAT and STUN Support

NAT allows multiple devices in a LAN to share a single public IP address and automatically creates a firewall between the internal network and the Internet.

### Presence Indication and Instant Messaging

The integrated presence server maintains and distributes presence information of users registered with the ETERNITY PE. Status such as availability of users (online, offline, busy, available on mobile) and preferred mode of communication (call, instant message) are maintained which in turn saves user's time spent in false call attempts.

## SPECIAL FUNCTION FEATURES

### Hotel Features

ETERNITY PE offers host of advance hospitality features which can perform most of the hotel tasks such as Check-In, Check-Out, DND, Wake-Up Alarms, Reminders, Print Check-Out reports etc. making it a complete Hotel PBX. These features are easily managed by a module called Front Desk Management. In addition, it also supports third-party PMS and CAS integration for hotelier who requires extra facilities offered by PMS and CAS. It is required to activate Hospitality features license to avail this functionality.

### QSIG

QSIG is an ISDN switching protocol used for signaling between two PBXs in a private Network. It allows transparency of features between two or more PBXs of different make. QSIG offers its users the convenience of sharing telecom resources and also helpful for conditional expansion of system capacity. Thus it is more flexible in converging telecom resources and offers a world of convenience. It is required to activate QSIG license to avail this functionality.

### Property Management System (PMS) Interface

A Hotel can use a PMS to manage other functions such as accounting, guest status, room status, billing etc. ETERNITY PE offers PMS interface which supports full duplex communication over Ethernet Port. It accepts strings to perform various tasks such as Check-in/Check-out, Guest-in/Guest-out, Remote Alarms, Guest Name, Do-Not-Disturb, Message Wait, Alarm Status, Room Shift etc. It can also send strings to perform various tasks such as SMDR for Outgoing calls, Mini Bar etc. to the PMS. This integration helps in smooth functioning of the PMS with PBX. It is required to activate PMS license to avail this functionality.

## HARDWARE FEATURES

### Compact and Sturdy

The compact and unique design of ETERNITY PE leads to smaller foot-print and suitable for every business environment. The wall mountable design is easy to maintain and occupies lesser space. Besides, all the parts have been fixed in specified slots. This 'no moving parts' design leads to higher reliability.

### Universal Slots Architecture

All the expansion slots of ETERNITY PE are universal in nature. Any card can be inserted in any slot and the system will configure it automatically. This scheme eliminates configuration bottle-necks because any slot can be used for SLT, DKP, Analog Trunk (CO) Lines, ISDN BRI, T1/E1/PRI, GSM/3G, VoIP and DoorPhone Card.

### Dedicated DTMF

ETERNITY PE offers dedicated DTMF circuit for each user making it 100% non-blocking, even while dialing. This is a critical parameter for organizations expecting heavy call traffic.

### Door Phone Connectivity\*

ETERNITY PE provides an optional interface card to connect Three 4-wire Door Phones. When a visitor presses the door phone button, the internal extension and/or external number programmed rings allowing the extension and/or Mobile user to talk to the visitor. If a Door Lock Release device is connected with DOP, the user can open the door and let the visitor in.

### External Music Port\*

The Analog Input Port (AIP) of ETERNITY PE allows connectivity to an external music source to play desired music or jingle while a person is on hold.

### Expandability

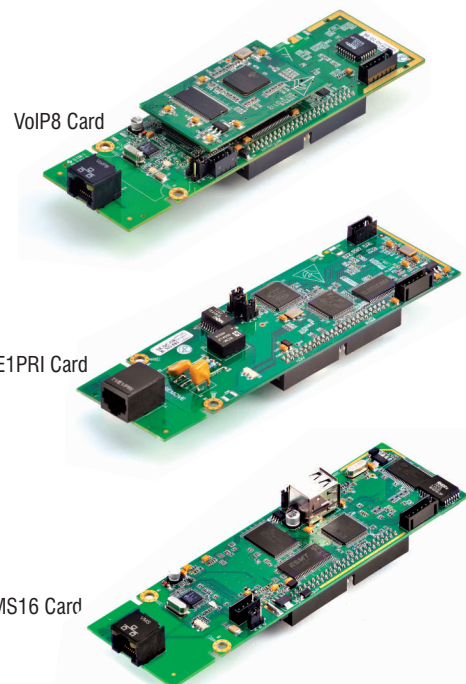
The expandable and scalable platforms of ETERNITY PE allows user to start from basic trunk and extensions capacity and add extra interface cards in future to satisfy the requirements of increased the trunks and extensions capacity as organization grows.

### Multiple Digital Output Ports

ETERNITY PE provides an option to connect 3 Digital Output Ports (DOP), thus enabling 3 electrical devices like door lock, relay port, fan, etc. to be operated simultaneously. These 3 non-energized DOP can be switched ON/OFF manually or automatically. These DOPs can be operated from local as well as remote location.

### Public Address System (PAS)\*

The Analog Output Port (AOP) allows interface to external paging equipment such as external speakers. This allows any extension station user to make important announcements to common access areas simply by dialing a paging code.



## VOICE MAIL SYSTEM

ETERNITY PE supports Voice Mail System (VMS) through an optional VMS card. An efficient Voice Mail System can work wonders for your organization productivity. The one that can provide efficient call management and accurate messaging saves precious time of your employees, yet allowing a non-interfering work environment.

### Voice Mail Features

- Auto-Attendant
- Broadcast Message
- Call Taping
- Conversation Recording
- Customized Mailbox Size
- Dial-by-Name
- Distribution Lists
- Email Notification
- Flexible Graph and Nodes
- Message Notifications
- Multiple Mailboxes on a Single Extension
- Personalized Greetings
- Message Redirect
- Message Verification

## DIGITAL KEY PHONES

Matrix EON48 is a versatile, feature-rich and easy to use digital key phone. It supports a host of additional features providing the user fast access to the functions of Matrix ETERNITY at a single touch of a button. EON48 is available in two variants - EON48P and EON48S.



EON48P



EON48S

- 2x24 and 6x24 LCD with Swivel, Backlit and Contrast Control
- Full-Duplex Speaker Phone
- 17 Touch-Sense Keys for Features
- 16 Programmable Keys
- More Direct Station Keys on Optional Attachment (DSS16x4)
- Message Wait Lamp
- Ringer Lamp
- Upright and Horizontal Angles for Desktop Mounting
- Desk-Top and Wall Mounting

## IP KEY PHONES

Matrix SETU VP248 is a range of feature-rich executive IP Phones. They provide intuitive operation for the call management functions. It supports a host of additional features providing the user fast access to the functions of ETERNITY PE at a single touch of a button. Their standard SIP based design makes them compatible with any SIP infrastructure like soft switches, IP PBXs, Registrar and Proxies. SETU VP IP Phones are available in following three variants:

**SETU VP248PE** with 6 Lines x 24 Characters LCD Display with PoE

**SETU VP248SE** with 2 Lines x 24 Characters LCD Display with PoE

**SETU VP248P** with 6 Lines x 24 Characters LCD Display

**SETU VP248S** with 2 Lines x 24 Characters LCD Display



VP248P



VP248S

- 3 SIP Accounts
- 2 Ethernet Ports
- Programmable Keys
- Anonymous Call and Selective Call Rejection
- Auto Configuration
- Auto Answer with Headset Interface
- Conference
- DHCP, PPPoE, NAT and STUN
- Peer-to-Peer Calling
- Dialed, Received, Missed and Rejected Call Logs
- Audio Codec - G.711, G.722, G.723, G.726 and G.729AB
- LAN and WAN Ports
- Least Cost Routing
- Message Wait Indication
- Multiple Call Handling (4 Calls)
- Phone Book with 100 Entries
- Ringer, Speech and LCD Controls
- Voice Mail Key
- Web-based Configuration

## EONSOFT - PC based Digital Key Phone

An innovation from Matrix, EONSOFT offers integration of your PC with your PBX. A feature of great utility to those techno-savvy people who have a computer on their desks and do not wish to keep a separate telephone.



EONSOFT

## FEATURES LIST

### STANDARD FEATURES

- Abbreviated Dialing (Global & Personal)
- Access Codes (Programmable)
- Account Codes
- Alarm-Multiple
- Alarms (Time, Daily, Future Date & Time, Remote)
- Alarm-Snooze
- Allowed and Denied Lists
- Alternate Number Dialing
- Analog Input Port (AIP)\*
- Analog Output Port (AOP)\*
- Anonymous Call Rejection (SIP)
- Auto Call Back (Busy, No Reply)
- Auto Redial
- Auto-Attendant
- Automated Control Applications\*
- Automatic Number Translation
- Background Music\*
- Backup-System Configuration, Software, SMDR
- Barge-In
- Boss Ring
- Call Back on Mobile
- Call Budget on Extensions
- Call Budget on Trunk
- Call Chaining
- Call Cost Calculation
- Call Duration Control
- Call Follow Me
- Call Forking
- Call Forward (Busy, No Reply, Dual Ring and to External Number)
- Call Hold
- Call Park (General and Personal Orbit)
- Call Pick Up (Group and Selective)
- Call Progress Tones(Programmable)
- Call Splitting
- Call Taping
- Call Transfer (Screened, On Busy, While Ringing, Trunk to Trunk)
- Caller ID based Routing
- Caller ID Presentation and Restriction
- Class of Service (COS)
- Closed User Group (With/Without Exchange ID)
- Conference Multiple Participants
- Conference Dial-in
- Conflict Dialing
- Continued Dialing
- Conversation Recording
- Daylight Saving Time (DST)
- Department/Group Call
- Dialed Number Directory
- Digest Authentication (on SIP)
- Digital Input Port (DIP)\*
- Digital Output Port (DOP)\*
- Direct Dialing-In (DDI on T1/E1/PRI)\*
- Direct Inward Dialing (DID)
- Direct Inward System Access (DISA)- Automatic
- Direct Station Selection Console (DSS Console)
- Distinctive Rings
- Do-Not-Disturb (DND)
- Do-Not-Disturb (Remote)
- Door Phone Connectivity\*
- Dual Ring
- Dynamic DNS (DDNS)
- Dynamic Lock (Auto and Manual)

- Embedded Registrar and Proxy Servers (SIP Server)
- Emergency Calls Detection and Reporting
- Emergency Number Dialing
- Error Alarm
- External Call Forward
- External Music Port (AIP)\*
- Fax over IP (T.38 Relay and Pass-Through)
- Field Programmable
- Flash Timer
- Flexible Numbers (Up to 6 Digits)
- Forced Answer
- Forced Call Disconnection
- Hot Desking
- Hot Outward Dialing (With/Without Number, With/Without Delay)
- Hotel-Installation Wizard
- Hotline (Immediate and With Delay)
- Hunting/User Group
- Installation Wizard
- Internal Call Restriction
- Interrupt Request
- Last Caller Recall
- Last Number Redial
- Least Cost Routing (Time, Number, Time and Number)
- Live Call Supervision
- Logical Partitioning
- Manual BTS Selection
- Master Time Zone
- Maturity (Polarity Reversal, Delay)
- Meet Me Paging
- Message Wait Indication (LED, Shattered Dial tone, Voice Message)
- Missed Calls
- Multi-Stage Dialing
- Music-on-Hold
- Name Programming (Station, Trunk)
- NAT and STUN
- Network Selection (GSM)
- OFF-Hook Alert (DKP)
- Operator (Single, Multiple)
- Override
- Paging (Internal and External\*)
- Peer-to-Peer Calling
- Presence
- Priority (Intercom and Trunk)
- Programming the System (Using SLT, DKP, Ethernet Port, Serial Port, Web-based)
- Public Address System Port\*
- Raid
- Real Time Clock Synchronization
- Region Code
- Remote Programming
- Return Call to Original Caller (RCOC)
- Room Monitor
- RS232C Port\*
- Security Dialing and Reporting\*
- Selective Trunk Access
- SIP and RTP QoS (VoIP)
- SMDR (Incoming, Outgoing and Internal-12000 calls)
- SMDR (Online)
- SMDR Posting (Call Accounting System Interface)
- Station Groups
- Station In-Service/Out-Service
- Station Name
- Suite Services
- System Activity Log and Display

- System Administrator (SA) Mode
- System Debug
- System Engineer (SE) Mode
- System Fault Log
- System Security (Passwords)
- Time Zone Display
- Toll Control
- Trunk Access Group
- Trunk Auto Answer
- Trunk Landing Group
- Trunk Reservation
- Virtual Stations
- Voice Mail Integration
- Voice Mail to Email Notification
- Voice Message Applications
- Voice Prompts for Tones
- Walk-in Class of Service
- Web-based Programming

### LICENSED FEATURES

#### Mobility Features License

- Call Back on Mobile Port
- Manual BTS Selection
- Mobile Extension (CLI based DISA)
- Scheduled Call Forward
- SIM Balance Inquiry
- SIM Recharge

#### Hospitality Features License

- Check-In
- Check-Out
- Floor Service
- Room Clean Status
- Room Occupancy Status
- Room-Shift

#### Gateway Feature License

- Universal Gateway Application (Automatic Call Routing between Networks)

#### QSIG License

- QSIG on T1/E1/PRI

#### PMS License

- For Third-Party PMS Integration (Requires Hospitality Features License Pre-activated)

#### IP User License

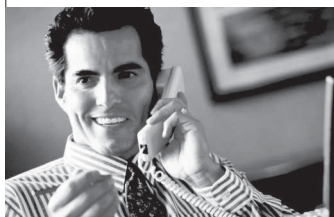
- IP10: License to enable 10 IP Users

\* Available in ETERNITY PE3SP and PE6SP

## EXPANSION CARDS

ETERNITY PE Cards	Description
SLT8	8 Single Line Telephones
SLT4	4 Single Line Telephones
DKP8	8 Digital Key Phones
DKP2+SLT6	2 Digital Key Phones and 6 Single Line Telephones
DKP4+SLT4	4 Digital Key Phones and 4 Single Line Telephones
CO2+DKP2+SLT4	2 CO Lines, 2 Digital Key Phones and 4 Single Line Telephones
CO2+SLT6	2 CO Lines and 6 Single Line Telephones
CO4+SLT4	4 CO Lines and 4 Single Line Telephones
CO4+DKP4	4 CO Lines and 4 Digital Key Phones
CO8	8 CO Lines
BRI2	2 ISDN BRI Lines or ISDN Compatible Devices
T1/E1/PRI Single	T1/E1/PRI Line or Compatible Device with QSIG Support
GSM4	4 GSM Ports for Voice Calls
GSM2	4 GSM Ports for Voice Calls
VoIP16	Server Card with 16 VoIP Channels to Connect 4 SIP Trunks and Up to 50 IP Extensions
VoIP8	Server Card with 8 VoIP Channels to Connect 4 SIP Trunks and Up to 50 IP Extensions
Door Phone Card	1 Digital Input Port, 3 Digital Output Ports and 3 Door Phones (4-Wire)
VMS16	Voice Mail System to Attend 16 Simultaneous Calls with Mailboxes for Individual Users

For detailed technical information, please refer ETERNITY IP-PBX Technical Specifications Brochure



### ABOUT MATRIX

ISO 9001 Company, Matrix is a leader in Telecom and Security solutions for modern businesses and enterprises. An innovative, technology driven and customer focused organization; the company is committed to keep pace with the revolutions in the telecom and security industries. With around 30% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge telecom products like IP-PBX, Universal Gateways, VoIP Gateways and Terminals, GSM Gateways, Access Control and Time-Attendance Systems and Fire Alarm Systems. These solutions are feature-rich, reliable and conform to the international standards. Having global foot-prints in Asia, Europe, North America, South America and Africa through an extensive network of more than 500 channel partners, Matrix ensures that the products serve the needs of its customers faster and longer. Matrix has gained trust and admiration of more than 150,000 customers representing the entire spectrum of industries. Matrix has won many awards for its innovative products.



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