Electricity infrastructure is the lifeline of every modern community, state, and country. All electricity utilities occupy their own Power Line Carrier Communication (PLCC) network for their communication needs. The PLCC users depend heavily on communication to keep the electricity infrastructure run uninterrupted round-the-clock.

Introducing digital EPAX which caters to the communication needs of PLCC and power grid networks. It supports E&M dial-up lines as well as Express lines and works as a local and a transit exchange simultaneously.

Matrix SARVAM UCS PLCC Switch is Available in Three Variants:

**ETERNITY GENX12S**
- 12 Universal Slots
- Expandable up to 240 Ports
- 32 E&M Ports

**ETERNITY MENX16S**
- 16 Universal Slots
- Expandable up to 512 Ports
- 64 E&M Ports

**ETERNITY LENX27S**
- 27 Universal Slots
- Expandable up to 1296 Ports
- 64 E&M Ports
**APPLICATION DIAGRAM**

![Diagram showing various communication endpoints and interfaces]

**SYSTEM SPECIFICATIONS**
- 100% Non-Blocking
- IP at Core
- 32-Bit RISC Processor
- Universal Slots Architecture
- Hybrid Technology
- Distributed Processing Architecture
- Dedicated DTMF Circuit for Each Port
- Digital ISDN Switch for PLCC
- Flexible, Scalable and Modular Platform
- High-Density 1024 x 1024 Digital Switching

**EXTENSION (STATION) LINE INTERFACES**
- Hot-Swappable Cards (ETERNITY MENX/LENX)
- Hot-Standby (ETERNITY MENX/LENX)
- Hot Redundancy (ETERNITY MENX/LENX)
- Power Supply Options
  - (A) 48VDC +/- 20%
  - (B) 100-240VAC, 47-63Hz
- Secondary Protection on Each Port

**TRUNK LINE INTERFACES**
- E&M Line Interface-Type
  - IV/V with 2W/4W
- CO Line (TWT)
- ISDN PRI, T1/E1
- GSM/3G/4G
- VoIP Trunk

**COMMUNICATION ENDPOINTS**

**SPARSH VP710**
![SPARSH VP710]

**SPARSH VP310E**
![SPARSH VP310E]

**SPARSH VP330E**
![SPARSH VP330E]

**SPARSH VP110**
![SPARSH VP110]

**SPARSH VP510E WITH DSS532**
![SPARSH VP510E WITH DSS532]

**EON510**
![EON510]

**EON310**
![EON310]

*Internal and Integration with IP based PA System is supported*
DEPLOYMENT OF SARVAM UCS IN PLCC NETWORK

KEY FEATURES
- Alternate Route Selection
- Auto Attendant functionality
- Call Progress Tone
- E&M Dial-Up/Tie Line Integration
- E&M Express Line Integration
- Elaborate Routing Table with 250 Entries
- Flexible Numbering (For Extensions 1 to 6 digits) (For Stations ID 1 to 6 digits)
- In-Skin Voice Mail System
- Mixed Length of Station ID
- Multiple SID for Same EPAX
- PLCC and Normal PBX Operation Simultaneously
- Priority over E&M Lines
- Priority within a System
- Programmable Pulse (Engage, Released, Ringer, Dialed Digit)
- Restricted Dialling to Avoid Calls from a Particular User to Selected Destinations
- SMDR Log of Calls Made on Trunks
- Trunk Disable Option to Avoid Call on an Out-of-order Trunk
- Trunk Groups to Restrict Ordinary Traffic on a Certain Trunks/Routes

PROGRAMMING OPTIONS
- Programming Using Analog Telephone
- Programming Using Digital Key Phone (Express Phone)
- Programming Using Local PC or Laptop
- Web-based Remote Programming

REPORTS GENERATION AND PRINTING
- SMDR Reports
- Customized SMDR Report Format
- System Activity Log Reports
- System Configuration Reports

BUILT-IN RESOURCES

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<th>SYSTEM RESOURCES</th>
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<th>LENX</th>
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<td>Voice Mail Channels</td>
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ABOUT MATRIX
Established in 1991, Matrix is a leader in Security and Telecom 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 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 Software, Network Video Recorder 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 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 customers representing the entire spectrum of industries. Matrix has won many international awards for its innovative products.

For further information, please contact:

Due to continuous technology upgradations, product specifications are subject to change without notice.