

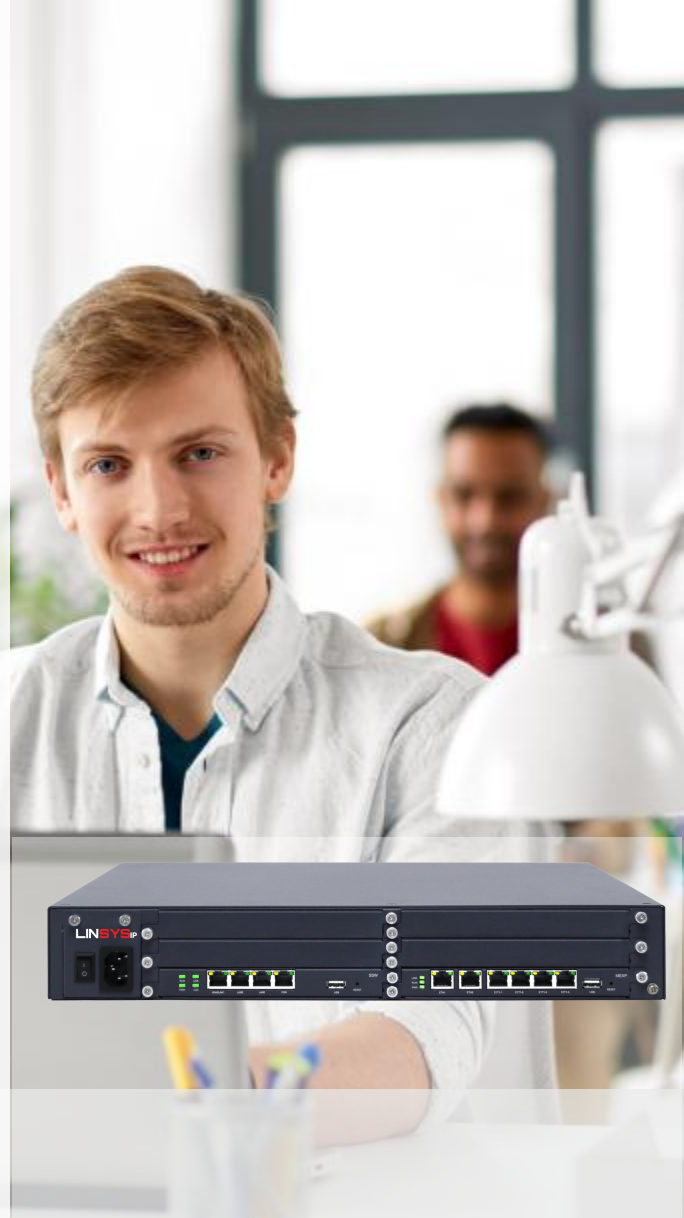
# LINSYS<sup>IP</sup>

## LS-PRI-1E1

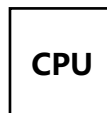
The LS-PRI-1E1 series is the trunk gateway products launched by LVswitches Inc. China for enterprises, industries and operators. The system adopts the integrated design of media gateway and signaling gateway, which supports conversion between PRI, R2, SS1, SS7 signaling and SIP signaling and completes the media stream conversion between TMD voice exchange and VoIP.

The system adopts mature hardware structure and advanced DSP speech process technology, adopts embedded operating system and efficient algorithms, supports multiple speech and efficient algorithms, supports multiple speech coding technologies, has the characteristics of clear speech and high fidelity, and is an advanced and cost-effective product.

The digital trunk gateway based on IP voice technology can connect PSTN and IP voice network to realize the mutual transmission function of IP packets and TDM. The maximum configuration of 4E1 is 120 concurrent channels, which can realize remote management, simple operation and strong interoperability.



A variety of interface  
Types designs,  
strong compatibility



Top level CPU, Industrial  
Grade Configuration



Software and hardware QoS

## LINUX<sup>x2</sup>

Dual system configuration,  
Automatic switching to ensure the  
normal operation of the system



Compatible with PRI/R2/SS7/QSIG/  
V2 signaling. No need to replace  
hardware, automatically switch  
various signaling



Built-in router function Dial-up  
Internet access/ broadband  
allocation, IP address black and  
whitelist

### Signal

- PRI signaling
- R2 signaling
- SS7 signaling
- NGN SIP protocol
- IMS SIP protocol

### E1 interface

- Maximum 4-way E1/T1 trunk license (RJ45)

### Dimension

- 443x356x64mm

### Power input

- 100~240VAC  
50/60HZ

### Weight

- < 7KG

### Reliability

- 7x24 hours
- The success rate is greater than 99.999%
- MTBF is greater than 80000 hours

### Case

- 1.5U
- Metal material

### Power

- 150W

### Processor

- CORTEX-A9 dual core CPU processor

### Console

- 1\*RJ45  
115200bps

### Network interface

- 1\*WAN
- 2\*LAN
- Full Gigabit Ethernet port (1000 Base-T Ethernet)

### Working environment

- Relative Humidity: 95% non-condensing at 25°C to 30°C when non-operating
- Ambient temperature: Operating 10°C to 35°C, non-operating -40°C to +55°C ambient

### USB

- 1\*USB 2.0

### Call concurrency

- Fully concurrent

### Basic Voice Service

- PSTN calls: PRI, R2, SS1/7 trunks interconnect with PSTN or traditional PBX
- IMS/ NGN call: SIP trunk to IMS/NGN or IPPBX

### Application scenarios

- High-capacity TDM access
- Call Center/ Dispatch System
- E1 trunk connection

### Voice codec

- G.711U/A
- G.723
- G.729

### VOIP safety

- Jitter Buffer
- VAD
- Echo cancellation
- CNG

### IP service

- DHCP
- PPPOE
- DNS
- NTP Client/Server
- SSH
- FTP
- HTTP/HTTPS

### WAN

- Single WAN
- Double WAN

### Firewall

- Basic firewall function
- Firewall blacklist and whitelist

### Local management

- Web management interface
- Version upgrade/ rollback
- Data backup
- Certificate management

### Call routing processing

- Outbound routing based on different trunks
- Support route backup

### Status monitor

- Hardware status monitoring
- Service status

### Log management

- Operation log
- User log
- Safety log

### Alert management

- Activity warning
- Historical warning query

### Remote management

- SNMP V2/ V3
- TR069
- OMC network unit