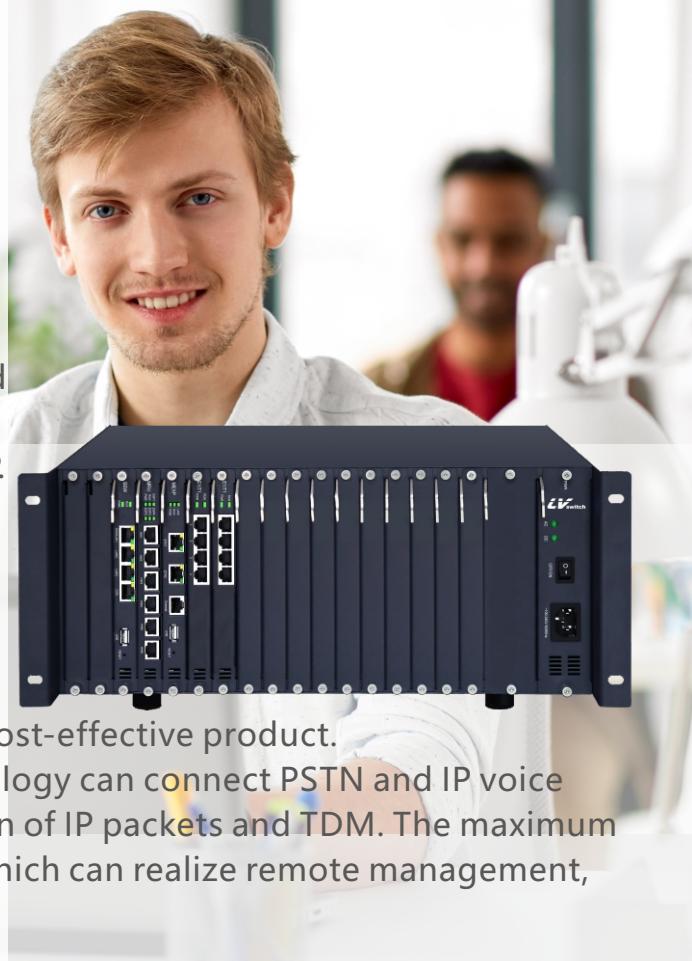![LV switch logo]

IAD100-8E1

The IAD100-4E1 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 TDM voice exchange and VoIP. The system adopts mature hardware structure and advanced DSP speech processing technology, adopts embedded operating system 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 8E1 is 240 concurrent channels, which can realize remote management, simple operation and strong interoperability.

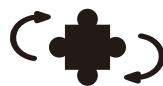**A variety of interface types designs , strong compatibility**

CPU

Top level CPU, Industrial Grade Configuration

Software and haredware QOS

LINUX x2

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

Compatible with PRI/R2/SS7/QSIG/V5 signaling.No need to replace hardware, automatically switch various signaling

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

LV Switches Inc.

Official website

WeChat public account

Signal

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

E1 interface

- Maximum 8-way E1/T1 trunk license (RJ45)

Dimension

- 443x420x188mm

Power input

- 100VAC-240VAC
  50/60Hz

Weight

- < 15KG

Reliability

- 7X24 hrs
- The success rate is greater than 99.999%
- MTBF is greater than80000 hours

Case

- 4.5U
- Metal Material

Power

- 300W

Processor

- CORTEX-A9 dual core CPU processor

Console

- 1*RJ45
  115200bps

Network interface

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

Working environment

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

USB

- 1*USB 2.0
  Full speed

Call concurrency

- Fullly 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
- G.711A
- 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