Yeastar NeoGate TE E1/T1/PRI Gateway

NeoGate TE100/200 offers SMBs cost effective additions to legacy telephone systems to bring the true benefits of VoIP. TE100/200 is a single or dual port VoIP E1/T1/J1 gateway (VoIP to E1/T1/J1, and E1/T1/J1 to VoIP) that supports up to 30 or 60 concurrent calls. It's designed to bridge the gap between E1/T1/J1 and VoIP networks. Integrating TE100/200 into an existing network will allow inexpensive communication via SIP trunking. Also, it could connect VoIP systems with E1/T1/J1 service from legacy carriers.

Benefits

- Software configurable E1/T1/J1 ports
- Support PRI, MFC R2, SS7, E&M
- Easy-to-navigate GUI
- Cost-effective call routing
- Simple installation and management
- Interoperable with Elastix and Lync Server
- Compatible with various ISDN PBX, IP-PBX, and softswitch
- Low power consumption for your green office

Physical Interfaces

- E1/T1/J1 port: 1 or 2
- Dual Base-T connectors
  TE100: 10/100 Mbps
  TE200: 10/100/1000 Mbps
- USB port:1

Voice Processing

- Protocol: SIP(RFC3261)
- DTMF: RFC2833, SIP Info, In-band.
- Codec: G711a, G711u, G.722, G.726, G.729a, GSM, Speex, ADPCM
- Transport: UDP, TCP, TLS, SRTP
- Echo Cancellation: ITU-T G.168 LEC

Telephony

- Blacklist
- Call detail records
- Call duration limitation
- Caller ID
- Caller ID prefix
- Call routing rules
- SIP trunk support
- SIP peer mode
- SIP Registrar for IP phones
- T.38 fax
- Trunk group

Signalling

- Support PRI, MFC R2, SS7, E&M
- PRI switch types: Euro ISDN, nation, Q.SIG
- CAS: MFC R2 (Argentina, Brazil, China, Czech Republic, Colombia, Ecuador, Indonesia, ITU, Mexico, Philippines, Venezuela)
- SS7: ITU, ANSI, China

Internet

- DDNS
- IP Blacklist
- NAT Traversal
- QoS/ToS
- PPPoE
- Static Route

System

- Backup and restore
- Custom prompts
- E1/T1/J1 diagnostics
- Firmware upgrade by HTTP/TFTP
- Packet Capture Tool
- System logs
- Security: Firewall, TLS, SRTP, HTTPS
- Web based configuration

Applications

- Connect legacy PBX to VoIP services
- Connect IP-PBX to ISDN trunkings
- ISDN connectivity for Contact Center
- Connect legacy PBX to IP-PBX at the branch office
- Interconnect multiple PABX to realize free inter-office calls

Physical

- Dimensions: 213x160x44 mm
- Power Supply: AC 100-240V (12V 2A)
- Operation Range: 0°C to 40°C, 32°F to 104°F
- Storage Range: -20°C to 65°C, -4°F to 149°F
- Humidity: 10-90% non-condensing