NEOGATE
Analog Gateways

NeoGate TA Analog VoIP Gateways are cutting-edge products that connect legacy telephones, fax machines and PBX systems with IP telephony networks and IP-based PBX systems. Featuring rich functionalities and easy configuration, NeoGate TA is ideal for small and medium enterprises that wish to integrate a traditional phone system into IP-based system. NeoGate TA helps them to preserve previous investment on legacy telephone system and reduce communication costs significantly with the true benefits of VoIP.

- 4/8/16/24/32 FXS ports or 4/8 FXO ports
- Fully compliant with SIP and IAX2
- Flexible calling rules
- Reliable fax performance with T.38
- Provides high-quality voice compression with industry standard codecs

- Line echo cancellation for 32, 64 or 128 ms echo delays
- Web-based GUI for easy configuration and management
- Excellent interoperability with a wide range of legacy and IP equipment

Yeastar

Specifications

	TA400/800	TA1600/2400/3200	TA410/810
Interfaces			
Ports	4/8 FXS Ports	16/24/32 FXS Ports	4/8 FXO Ports
Telephony Interfaces	RJ11	RJ11 and RJ21 50-pin Telco Connectors	RJ11
Network Interfaces	1 10/100BASE-T Ethernet		
Indicators	Ports Status and Activity LEDs		
Media Processing			
Protocol	SIP (RFC3261), IAX2		
Transport	UDP, TCP, TLS, SRTP		
Voice Codec	G.711 (alaw/ulaw), G.722, G.726, G.729A, GSM, ADPCM, Speex		
Voice Capability	ITU-T G.168 LEC Echo Cancellation, Dynamic Jitter Buffer		
DTMF Mode	RFC2833, SIP Info, In-band		
Fax	T.38 and Pass-through		T.30
QoS	DiffServ, ToS, 802.1 P/Q VLAN tagging		
Telephony Features			
Call Handling	Call Transfer (Attended and Blind), Call Forward, Call Waiting, Do Not Disturb, Hunting Groups, Hotline, MWI (FSK, Neon, Polarity Reversal), 3-way Conference, CDR, Caller ID Display		Call Back, Hotline, Two-stage dialing, CDR, Caller ID Display, Programmable AC Impedance, Hangup Detection, Answer Detection, Caller ID detection
Security/ IP Services			
Firewall	Built-in Firewall, IP Blacklist, Attack Alert		
Network	DHCP, DDNS, OpenVPN, PPPoE, Static Route, VLAN		
Nat Traversal	Static NAT, STUN		
Network Protocol	UDP, TCP, FTP, TFTP, HTTP, HTTPS, SSH		
Management			
Protocol	RADIUS, TR-069*	SNMP, RADIUS, TR-069*	TR-069*
Provisioning	Web GUI, Auto Provisioning with MyPBX, Backup and Restore, Firmware Upgrade by HTTP/TFTP		
Configuration	Remote Management, Packet Capture, System Logs, Voice Menu for FXS Gateways Basic Configuration, API		
Connectivity			
Signaling	FXS Loop Start, FXS Kewl Start		FXO Loop Start, FXO Kewl Start
Caller ID	BELL202, ETSI (V23), NTT (V23-Japan), and DTMF-based CID		
Disconnect Methods	Busy Tone, Polarity Reversal		
Physical			
Power	12V, 1A	AC 100-240V (12V, 5.5A)	12V, 1A
Dimensions (L × W × H) (mm)	200 × 137 × 25.6	440 × 250 × 44.4	200 × 137 × 25.6
Environment	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		
Mounting	Desktop, Wall-mount	Desktop, Rack-mount	Desktop, Wall-mount
Compatibility			
Softswitch and IP-PBX	Certified with Elastix and BroadSoft, and interoperable with 3CX, Asterisk, Lync Server, FreePBX, Freeswitch		

*Feature in the next release