

# Yeastar TA Series Analog VoIP Gateways



Yeastar 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, TA is ideal for small and medium enterprises that wish to integrate a traditional phone system into IP-based system. TA helps them to preserve previous investment on legacy telephone system and reduce communication costs significantly with the true benefits of VoIP.

## Benefits

- 4/8/16/24/32 FXS ports or 4/8/16 FXO ports
- Advanced and flexible calling rules
- Reliable fax performance with T.38
- High-quality voice compression with industry standard codecs
- Line echo cancellation for 8, 16, 32, 64 or 128 ms echo delays
- Support various methods to light up the Message Waiting Indicator
- Web-based GUI for easy configuration and management
- Manage customer-premised gateway remotely and securely
- Interoperable with a wide range of legacy and IP equipment

\*The Remote Management feature is only supported by TA1610/1600/2400/3200 V3 version.

# Specifications

|                             |                                                                                                                                                                                                                                    |                                       |                                                                                    |                                       |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------|---------------------------------------|
|                             | TA400/800                                                                                                                                                                                                                          | TA1600/2400/3200                      | TA410/810                                                                          | TA1610                                |
| Interfaces                  |                                                                                                                                                                                                                                    |                                       |                                                                                    |                                       |
| Ports                       | 4/8 FXS Ports                                                                                                                                                                                                                      | 16/24/32 FXS Ports                    | 4/8 FXO Ports                                                                      | 16 FXO Ports                          |
| Telephony Interfaces        | RJ11                                                                                                                                                                                                                               | RJ11 and RJ21 50-pin Telco Connectors | RJ11                                                                               | RJ11 and RJ21 50-pin Telco Connectors |
| WAN                         | N/A                                                                                                                                                                                                                                | 1 10/100Mbps                          | N/A                                                                                | 1 10/100Mbps                          |
| LAN                         | 1 10/100Mbps                                                                                                                                                                                                                       |                                       |                                                                                    |                                       |
| Indicators                  | Ports Status and Activity LEDs                                                                                                                                                                                                     |                                       |                                                                                    |                                       |
| Media Processing            |                                                                                                                                                                                                                                    |                                       |                                                                                    |                                       |
| Protocol                    | SIP (RFC3261), IAX2                                                                                                                                                                                                                |                                       |                                                                                    |                                       |
| Transport                   | UDP, TCP, TLS, SRTP                                                                                                                                                                                                                |                                       |                                                                                    |                                       |
| Codec                       | G.711 (alaw/ulaw), G.722, G.723, G.726, G.729A/B, GSM, ADPCM                                                                                                                                                                       |                                       |                                                                                    |                                       |
| Voice Capability            | ITU-T G.168 LEC Echo Cancellation, Dynamic Jitter Buffer, PLC                                                                                                                                                                      |                                       |                                                                                    |                                       |
| 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               | 3-way Conference, Attended and Blind Transfer, Call Forward, Caller ID Display, Call Waiting, CDR, Direct Caller ID Calling, Distinctive Ringtone, Do Not Disturb, Flexible Dialing Plan, Hunting Groups, Hotline, MWI, Speed Dial |                                       | Programmable AC Impedance, Hangup Detection, Answer Detection, Caller ID Detection |                                       |
| Security/ IP Services       |                                                                                                                                                                                                                                    |                                       |                                                                                    |                                       |
| Firewall                    | Built-in Firewall, IP Blocklist, Attack Alert                                                                                                                                                                                      |                                       |                                                                                    |                                       |
| Network                     | DHCP, DDNS, OpenVPN, Static Route, VLAN                                                                                                                                                                                            |                                       |                                                                                    |                                       |
| Nat Traversal               | Static NAT, STUN                                                                                                                                                                                                                   |                                       |                                                                                    |                                       |
| Network Protocol            | FTP, TFTP, HTTP, HTTPS, SSH                                                                                                                                                                                                        |                                       |                                                                                    |                                       |
| Management                  |                                                                                                                                                                                                                                    |                                       |                                                                                    |                                       |
| Protocol                    | SNMP, RADIUS, TR-069                                                                                                                                                                                                               |                                       | TR-069                                                                             | TR-069                                |
| Provisioning                | Web GUI, Auto Provisioning, 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                                                                                                                                                                                                       |                                       |                                                                                    |                                       |
| Short & Long Haul           | 3REN, up to 1.5 km on 24 AWG wire                                                                                                                                                                                                  |                                       | —                                                                                  |                                       |
| Physical                    |                                                                                                                                                                                                                                    |                                       |                                                                                    |                                       |
| Power                       | 12V, 1A                                                                                                                                                                                                                            | AC 100-240V (12V 5.5A)                | 12V, 1A                                                                            | AC 100-240V (12V 5.5A)                |
| Dimensions (L × W × H) (mm) | 200 × 137 × 25                                                                                                                                                                                                                     | 440 × 250 × 44                        | 200 × 137 × 25                                                                     | 440 × 250 × 44                        |
| Operation Temperature       | 0°C to 40°C, 32°F to 104°F                                                                                                                                                                                                         |                                       |                                                                                    |                                       |
| Storage Temperature         | -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                                                                | Desktop, Rack-mount                   |
| Compatibility               |                                                                                                                                                                                                                                    |                                       |                                                                                    |                                       |
| Softswitch and IP-PBX       | Interoperable with a wide range of IPPBX and softswitches                                                                                                                                                                          |                                       |                                                                                    |                                       |

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