



# 2016 EASY COMMUNICATION

Breakthrough  
For Next 10 Years



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*For Next 10 Years*

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TB Series BRI VoIP Gateways



# S-Series VoIP PBX

## Performance and Power



### Easy to Install and Manage

Save time with streamlined installation. Manage and maintain the S-Series on the intuitive graphical UI with point-and-click ease.



### Modular and Scalable

Customizable with FXS, FXO, GSM, BRI, E1/T1/PRI modules and is ready to scale up to 500 user and 120 concurrent calls.



### Abundant Built-in Features

Increase efficiency and lower cost of ownership with all-in-one features in a single server without extra licensing fees.



### Secure IP Communications

Protected from Internet hackers, computer viruses, eavesdrop with built-in Firewall, TLS, SRTP, and HTTPS standards, and more.



### Quick IP Phone Provisioning

Automatically provision phones from Cisco, Yealink, Polycom, Panasonic, Mitel, Avaya, Snom, and enjoy the great interoperability.



### Enhanced Performance

Powered by Freescale ARM A9 industrial grade quad-core CPU processors and sophisticated design and production.







IP-PBX Optimized for  
Small and Mid-sized Businesses

## S20

### Users

- 20 Users
- 4 FXS Extensions (Max)
- 10 Concurrent Calls



### Modular Design

- 2 Flexible Module Slots
- Up to 4 FXS/FXO Ports
- Up to 4 BRI Ports
- Up to 1 GSM/CDMA/3G Channel

### Call Recording

- Built-in automatic call recording capability
- Store recordings files in TF card (Micro SD card)

## S50

### Users

- 50 Users
- 8 FXS Extensions (Max)
- 25 Concurrent Calls



### Modular Design

- 4 Flexible Module Slots
- Up to 8 FXS/FXO Ports
- Up to 8 BRI Ports
- Up to 4 GSM/CDMA/3G Channels

### Call Recording

- Built-in automatic call recording capability
- Store recording files in SD card



# S100

## Users

- 100 Users (up to 200)
- 30 Concurrent Calls (expandable to 60)
- 16 FXS Extensions (Max)



## Modular Design

- Support 2 Expansion Boards
- Up to 16 FXS/FXO Ports
- Up to 16 BRI Ports
- Up to 6 GSM/CDMA/3G Channels
- Up to 2 E1/T1/PRI Ports

## Call Recording

- Built-in automatic call recording capability
- Store recording files in SD card or USB

# S300

## Users

- 300 Users (up to 500)
- 60 Concurrent Calls (expandable to 120)
- 24 FXS Extensions (Max)



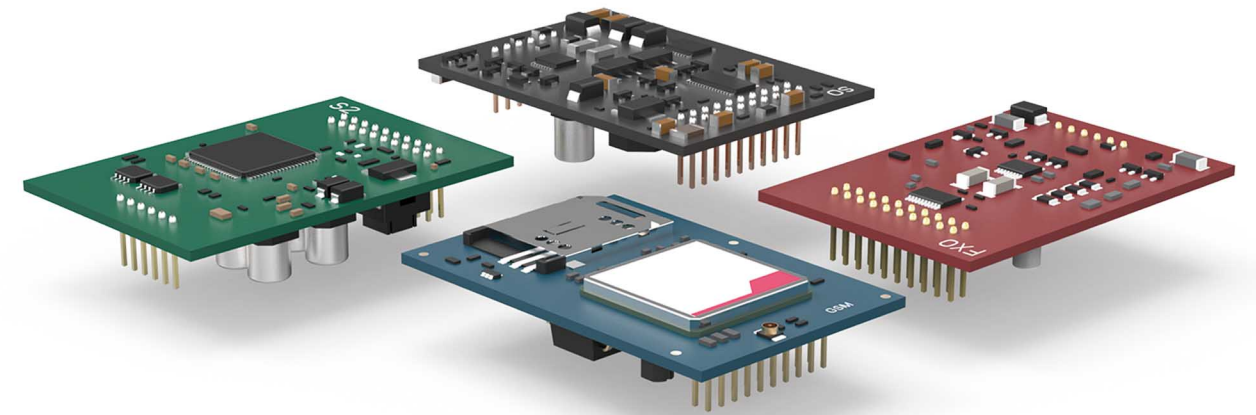
## Modular Design

- Support 3 Expansion Boards
- Up to 24 FXS/FXO Ports
- Up to 24 BRI Ports
- Up to 6 GSM/CDMA/3G Channels
- Up to 3 E1/T1/PRI Ports

## Call Recording

- Built-in automatic call recording capability
- Store recording files in SD card, USB, or HDD

# Scalable and Modular Design



## Add Telephony Interfaces

With Yeastar S-Series, all the telephony interfaces are modular and customizable with Telephony Modules and Expansion Boards.

## Expand System Capacity

A future-proof investment, Yeastar S-Series allows you to add more users and concurrent calls when business grows.

Picture	Name	Details	S20	S50	S100	S300
	S2 Module	Add 2 Analog Telephone	Up to 2	Up to 4	Up to 8	Up to 12
	O2 Module	Connect 2 Analog PSTN (POTS) Lines				
	SO Module	Unique PSTN Fallback Function				
	B2 Module	2 x NT/TE BRI Ports	Up to 1	Up to 4	Up to 6	Up to 6
	GSM Module	1 Channel for GSM Voice Calls				
	CDMA Module	1 Channel for CDMA Voice Calls				
	UMTS (WCDMA) Module	1 Channel for UMTS Voice Calls				
	D30 DSP Module	Add 100 Users and 30 Concurrent Calls	—	—	1	2
	EX08 Expansion Board	4 Onboard Module Slots and 8 Interfaces on the Panel	—	—	2	3
	EX30 Expansion Board	1 Onboard E1/T1/PRI Interface	—	—		



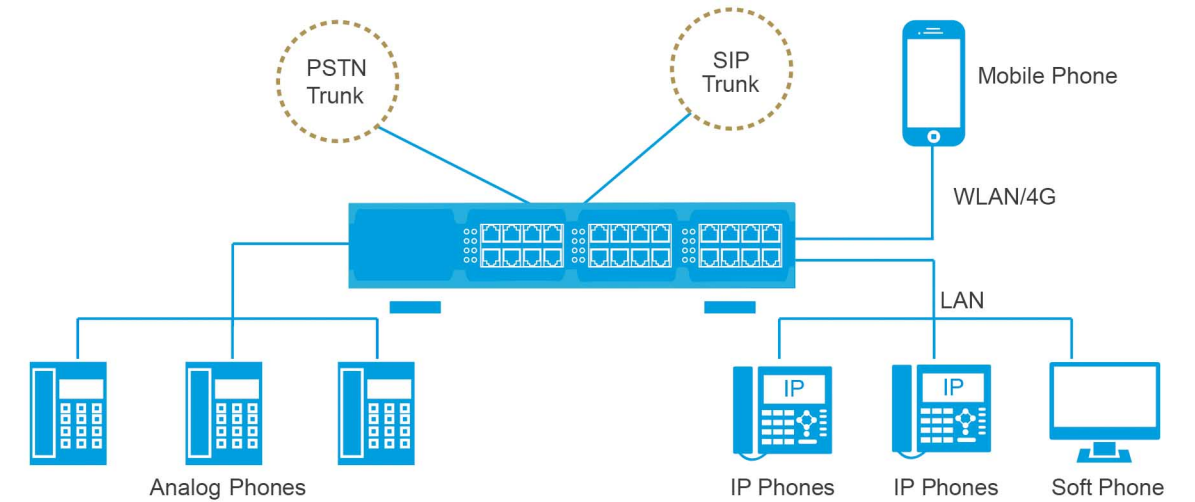
# S-Series Specifications and Features

Models		S20	S50	S100	S300
Capacity	Users	20	50	100 (up to 200)	300 (up to 500)
	Max Concurrent Calls	10	25	30 (up to 60)	60 (up to 120*)
	Max Analog Ports	4	8	16	24
	Max BRI Ports	4	8	16	24
	Max Cellular Ports	1	4	6	6
	Max E1/T1/J1 Ports	—	—	2	3
Network	LAN	1 10/100 Mbps			1 10/100/1000 Mbps
	WAN	1 10/100 Mbps			1 10/100/1000 Mbps
	IP Services	Static IP, DHCP, VPN, Firewall, VLAN, DDNS, PPPoE, QoS, Static NAT, STUN			
VoIP	Protocol	SIP (RFC3261), IAX2			
	VoIP Trunks	20	50	100	100
	Transport Protocol	UDP, TCP, TLS, SRTP			
	Audio Codec	G711 (alaw/ulaw), G722, G726, G729A, GSM, Speex, ADPCM, iLBC			
	Video Codec	H263, H263P, H264, MPEG4			
	DTMF	In-band, RFC4733 (RFC2833), SIP INFO			
Automatic Call Recording	Yes	Yes	Yes	Yes	
IVR	32	32	64	128	
Voicemail	5000 min (expandable)		10000 min (expandable)		
Remote Extensions	Yes	Yes	Yes	Yes	
Firewall	Yes	Yes	Yes	Yes	
T.38 Fax	Yes	Yes	Yes	Yes	
SMS to Mail/Mail to SMS	Yes	Yes	Yes	Yes	
App Center	Yes	Yes	Yes	Yes	
External Storage	TF Card (Micro SD Card)	SD Card		SD Card and 2.5 inch SATA HDD	
USB	—	—	1	1	
Physical	Power	DC 12V 1A	AC 100-240V 50/60HZ 0.6A max	AC 100-240V 50/60HZ 1.8A max	
	Dimensions (L x W x H) (mm)	160 x 160 x 30	340 x 210 x 44	440 x 252 x 44	440 x 252 x 44
	Weight	0.3 kg	1.48 kg	2.5 kg	2.6 kg
	Power Consumption	1.8-10.6 W	2.1-18.5 W	5.5-41.2 W	6.2-59.1 W
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		Rack-mount		
Features	Automated Attendant (IVR)	Call Routing	Fax to Email	Real-time Status Monitor	
	Attended Transfer	Call Waiting	Follow Me	Ring Group	
	AutoCLIP	Caller ID	Paging/Intercom	SIP Forking	
	Blind Transfer	Conference	LDAP	Skype Integration	
Blacklist/Whitelist	Custom Prompt	Mobility Extension	Speed Dial		
Call Back	Dial by Name	Multi-language System Prompt	Time Condition		
Call Detail Records (CDR)	DISA	Multi-language Web GUI	User Portal		
Call Forwarding	Distinctive Ringtone	Music on Hold	User Permission		
Call Monitor	DNIS	One Touch Recording	Video Calls		
Call Parking	Do Not Disturb (DND)	Queue	Voicemail		
Call Pickup	Event Center	PIN List	Voicemail to Email		
Call Recording	Email to SMS/SMS to Email	Phone Provisioning	Voicemail Forwarding		

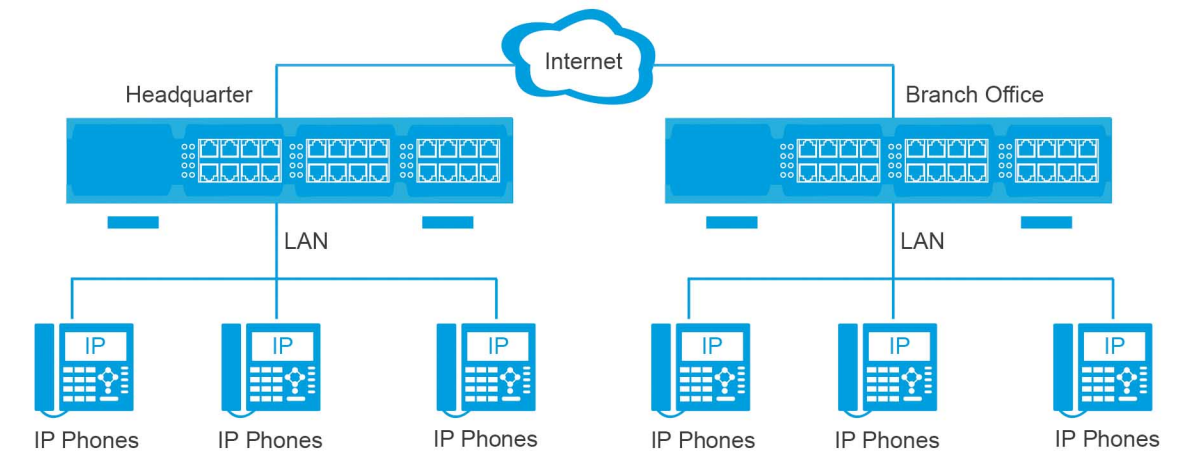
\*If automatic call recording is enabled, the max concurrent calls will be 90.

# S-Series Meets Your Business Needs

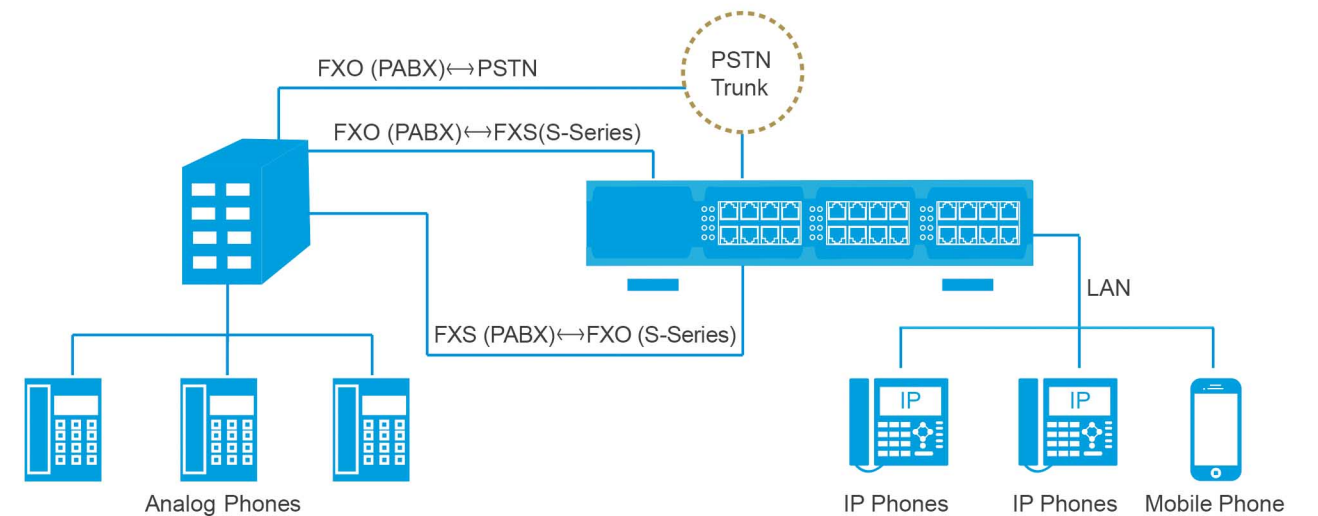
## • VoIP Solution For SMBs



## • Multi-Site & Branch Offices



## • Combine S-Series With Existing Traditional PBX





# N-Series Hybrid PBX

Maximize Cost-effectiveness for SMB

Empower analog phones with sophisticated IP communication features and convenient Web-based GUI.





# Hybrid PBX for Small Business

## N412 & N824



Yeastar Hybrid PBX N412 and N824 are fully-fledged PBX that delivers advanced communications features of a large system to small office. Leveraging CO/BRI lines and analog extensions, N412 and N824 also future proof telecom investment with VoIP capability.

N412	N824
8 Fixed RJ11 FXS Ports	8 RJ11 FXO Ports
4 Customizable FXS RJ11 Ports	24 RJ11 FXS Ports
4 Customizable FXO/BRI RJ11 Ports	2 RJ21 Connectors
8 Concurrent Calls	16 Concurrent Calls
8 SIP Extensions & 4 SIP Trunks	8 SIP Extensions & 8 SIP Trunks

### Smart Design

The rack-mountable N824 has 24 plus 8 RJ11 telephony interfaces on the front and 2 RJ21 connectors on the back with clear LED indicators.

N412 features modular design with 2 customizable module slots for internal analog extensions and 2 for external CO/BRI lines.

### Smart Features

Boost efficiency with built-in voicemail, multi-level automated attendant, and advanced call handling features like queues, ring group, conferencing, busy camp-on, and all the analog PBX features and IP communication features.

### Smart Installation

N824 is ready to play right out of the box and you only need to wire up the CO lines and the analog phones. N412 also requires minimum time and resources spent on setup. If further customization is required, the system is easy to manage via user-friendly Web interface without complicate operations.

An easy to use and easy to afford telephone system for small business.

Utilize analog lines and phones to have business communication no featureless than big business system.

### Multi-level Auto-attendant

Multi-level auto-attendant makes your company sounds big and professional with the way it greets customers. Customize the call flow and options to connect the callers more efficiently.

### Built-in Voicemail

Save important voice messages with built-in voicemail and enjoy the convenience and efficiency of voicemail without extra licensing fees.

### Call Recording Capability

Record calls to monitor the conversation for various purposes required by your business. Users enjoy the benefit of inquiring, replaying and managing all call recordings.

### Intelligent Call Handling

Effective call queuing and distribution handle incoming calls automatically. Call handling is also optimized by features like call transfer, call forwarding, call waiting, etc.

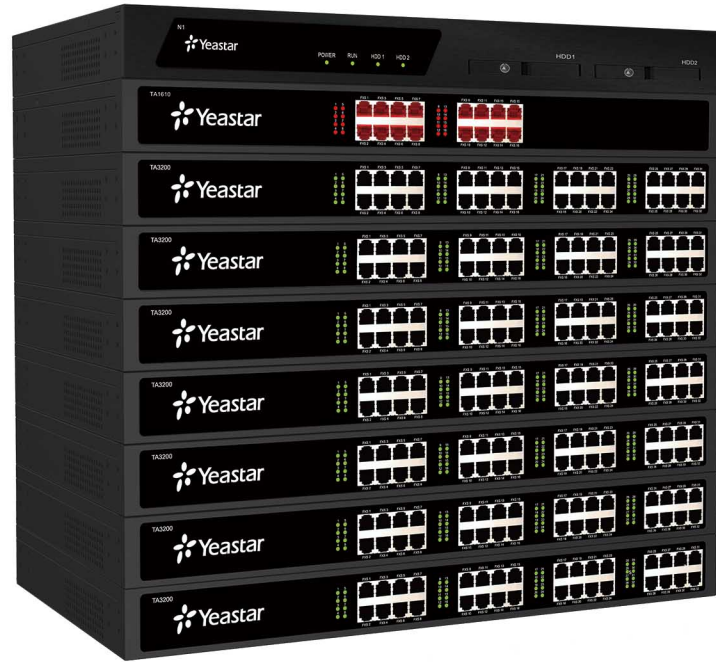
### Future-proof System

Built-in SIP extensions and SIP trunks to future proof your telecom investment.



# N1 Telephone System

## N1 Core Server and Expansion Units

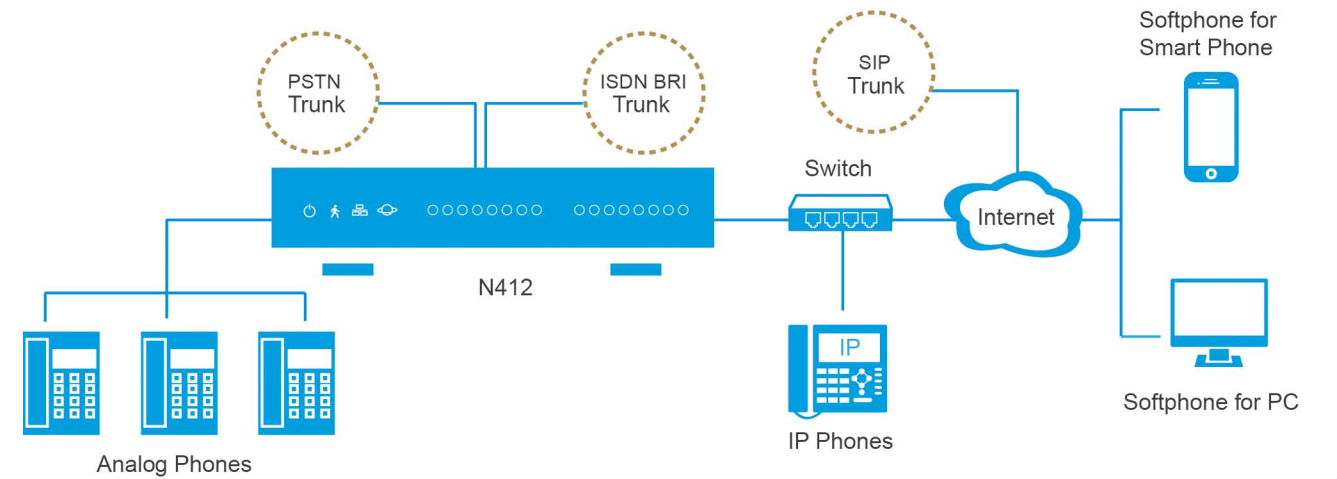


Yeastar N1 Telephone System comprises N1 Core Server and Expansion Units that deliver flexible telephony interfaces customization and efficient office communication to SMB. Deploy N1 to have analog phones, PSTN lines and other trunkings that best suit your needs in one system.

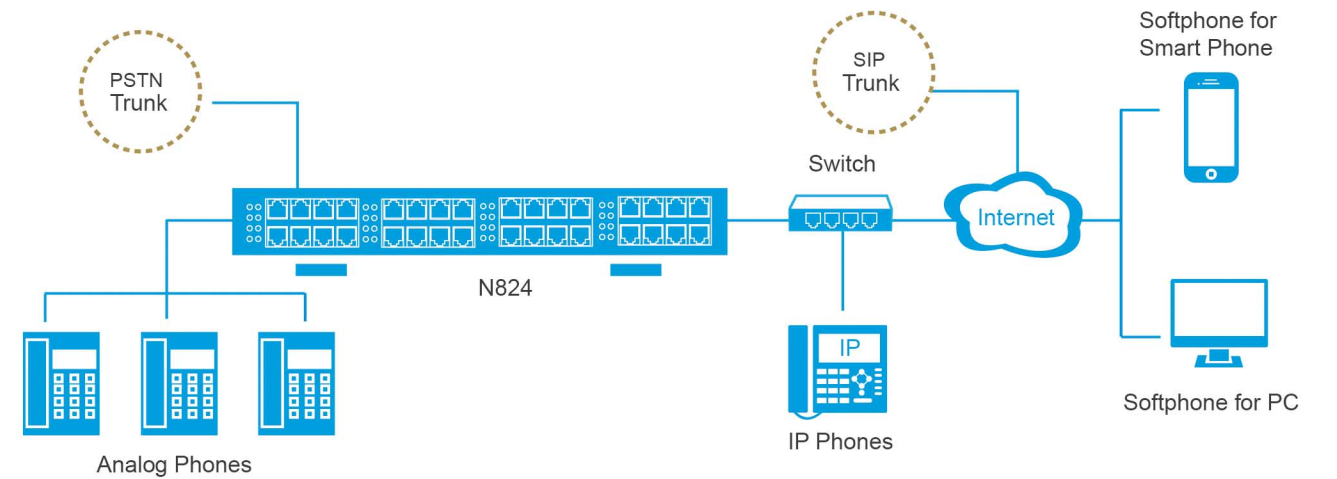
Highlights	Specifications
8 Expansion Ports for Flexible Combination	Up to 192 FXS Ports
Expansion Units Centralized Management	Up to 64 FXO Ports
Cost-effective Telephone System for SMB	Up to 64 GSM Channels
Powerful IP Communication Features	Up to 16 BRI Ports
Expand as Your Business Grows	Up to 2 E1/T1/PRI Ports
Future-proof and VoIP Capable System	80 Concurrent Calls
Simple Installation and Maintenance	8 SIP Extensions and 8 SIP Trunks

# N-Series: Cost-effective Business Communication

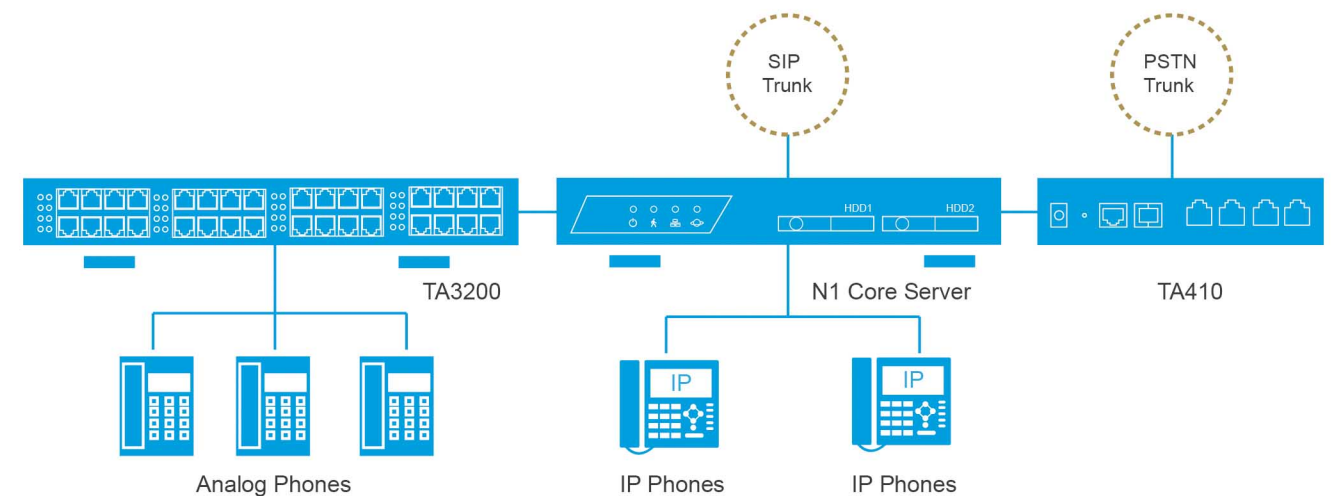
## • N412 Small Business Communication Solution



## • N824 Small Business Communication Solution



## • N1 Communication Solution for SMB







**VoIP** TA/TG/TE/TB Gateways  
for Enterprises and Service Providers

BEST GATEWAYS



# Analog Telephone Adapter TA100 & TA200



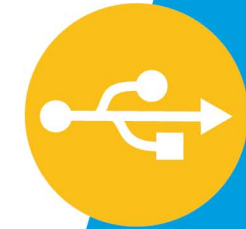
Yeastar TA100/200 provides 1 or 2 analog interfaces for residential users and small business to convert existing analog equipment to IP-based networks cost effectively. Yeastar TA100/200 is ideal for small business to achieve quick and easy connection in various network environments.

Ports	Models	TA100	TA200
Items		1 FXS	2 FXS
Protocol	SIP		
Transport	UDP, TCP, TLS, SRTP		
Codec	G.711 (alaw/ulaw), G.729A/B		
DTMF	RFC2833, SIP Info, In-band		
Voice Capability	ITU-T G.168 LEC Echo Cancellation, Dynamic Jitter Buffer		
Ethernet	1 10/100BASE-T Ethernet		

## VoIP ATA Benefits

### Miniature and USB Powered

Small form factor that can save space when placing on the desk. Micro USB port equipped, TA100/200 can be directly connected to and powered by the USB port of PC and IP-PBX.



### Rich Calling Features

Connect up to 2 analog phones/faxes and benefit from features like call waiting, call transfer, call conference, hotline, MWI, and more.



### High-quality Voice Call

Fully compliant with SIP and support industry standard codecs and line echo cancellation for 32, 64 or 128 ms echo delays for crystal clear voice calls.



### Simple Management

Auto Provision by FTP, TFTP, HTTP. Manageable from any Web browser with intuitive Web GUI. Also provide Voice Menu for basic configurations.





# Analog VoIP Gateways TA Series



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.

Ports	Models	TA400	TA800	TA1600	TA2400	TA3200	TA410	TA810	TA1610
Items		4 FXS	8 FXS	16 FXS	24 FXS	32 FXS	4 FXO	8 FXO	16 FXO
Protocol		SIP, IAX2							
Transport		UDP, TCP, TLS, SRTP							
Codec		G.711 (alaw/ulaw), G.722, G.723, G.726, G.729A/B, iLBC, GSM, ADPCM							
DTMF		RFC2833, SIP Info, In-band							
Voice Capability		ITU-T G.168 LEC Echo Cancellation, Dynamic Jitter Buffer, VAD, CNG, PLC							
Ethernet		1 10/100BASE-T Ethernet							

## Enormous Benefits

### Carrier-grade Quality

High-performance Analog VoIP Gateways with powerful features and great reliability. Fully compliant with SIP and IAX2, TA Series also features flexible calling rules and high-quality voice calls. It simplifies the integration of legacy phone system and IP-based system.

### Easy and Flexible

An easy-to-use Web GUI allows intuitive configuration; LED present system and port status visually. Desktop and wall-mount installation of TA400/800/410/810 enables flexible deployment; TA1600/2400/3200 boasts 1U form factor.

### Trusted Compatibility

Tested and certified with Elastix, BroadSoft. Interoperable with 3CX, Lync Server, Asterisk, FreePBX, Freeswitch, and a wide range of legacy and IP equipment.





# VoIP GSM Gateways

## GSM/CDMA/UMTS Channels

### TG Series



Yeastar TG Series connect GSM/CDMA/UMTS network to VoIP network directly and support two-way communication: GSM/CDMA/UMTS to VoIP and VoIP to GSM/CDMA/UMTS. It is the best solution ever to connect IP-based telephone systems, and softswitches to GSM/CDMA/UMTS network; and also the best fallback solution when landline goes down.

Channels	Models	TG100	TG200	TG400	TG800	TG1600
Items		1	2	4	8	16
Protocol		SIP, IAX2				
Transport		UDP, TCP, TLS, SRTP				
GSM Frequency		850/900/1800/1900MHz				
CDMA Frequency		800MHz				
UMTS Frequency		850/1900MHz, 850/2100MHz, 900/2100MHz				
Integrated Antenna Splitter (4 in 1)		—	—	Support	Support	Support
Ethernet		1 10/100BASE-T Ethernet				

## Varied Applications

### Mobile Trunkings



TG adds GSM/CDMA/UMTS trunkings for business making high numbers of calls to mobile networks. It transforms fixed-to-mobile calls to mobile-to-mobile calls. The GSM trunking is also a low-cost alternative to landlines in instances where fixed line communication is not available.

### Bulk SMS Service



TG bulk SMS feature is a great tool in conducting mobile marketing. When enterprises need to introduce special offers, manage customer relations, send holiday wishes, etc, they can use bulk SMS to achieve all these with a low cost.

### Backup Mobile Trunks



TG can be a perfect backup for IP-PBX that has limited ability in backup solution, enabling your workforce to carry on their business when landline goes down.





# E1/T1/PRI VoIP Gateways

## TE Series



PRI

VoIP

BRI

# BRI VoIP Gateways

## TB Series



Yeastar TE100/TE200 is a single port or dual port VoIP E1/ T1 /J1 gateway (VoIP to E1/T1/J1, and E1/T1/J1to VoIP) that supports up to 30 or 60 concurrent calls. Yeastar TE Series offers SMBs cost-effective additions to a legacy telephone system to bring the true benefits of VoIP.

Yeastar TB200/400 is a compact and reliable standalone BRI VoIP gateway (BRI-VoIP/VoIP-BRI) offering 2 or 4 BRI ports for companies using ISDN BRI lines an easy, cost-effective and flexible integration into any VoIP system or enabling any IP PBX to be connected to the public ISDN network.

Ports Items	Models	TE100	TE200
		1 Port (PRI, MFC R2, SS7, E&M)	2 Ports (PRI, MFC R2, SS7, E&M)
Protocol	SIP		
Transport	UDP, TCP, TLS, SRTP		
Codec	G.711 (alaw/ulaw), G.722, G.726, G.729A, GSM, ADPCM, Speex		
DTMF	RFC2833, SIP Info, In-band		
Voice Capability	ITU-T G.168 LEC Echo Cancellation, Dynamic Jitter Buffer		
Ethernet	Dual 10/100BASE-T Ethernet	Dual 10/100/1000BASE-T Ethernet	

Ports Items	Models	TB200	TB400
		2 BRI Ports	4 BRI Ports
Protocol	SIP		
Transport	UDP, TCP, TLS, SRTP		
Codec	G.711 (alaw/ulaw), G.723, G.726, G.729A, GSM, iLBC, ADPCM		
DTMF	RFC2833, SIP Info, In-band		
Voice Capability	ITU-T G.168 LEC Echo Cancellation, Dynamic Jitter Buffer		
Ethernet	1 10/100BASE-T Ethernet		