



TALKSWITCH BRANCH VoIP SOLUTION

USER-INSTALLABLE
USER-CONFIGURABLE
IP-ENABLED
LOCAL & REMOTE
MANAGEMENT
AUTO ATTENDANTS
REMOTE EXTENSIONS
VOICEMAIL
CALL FORWARD/
CALL TRANSFER
CALL CASCADE
RING GROUPS
CALL BACK/
CALL BRIDGE
MUSIC ON HOLD
CALL TRANSFER
CALL QUEUE
MODE SCHEDULING
LAN PORT
CALL SCREENING
UNIFORM CALL
DISTRIBUTION

The TalkSwitch branch VoIP solution combines the proven strengths of TalkSwitch phone systems with the advantages of IP telephony. With its seamless convergence of traditional and IP connections, the solution delivers affordable branch-to-branch connectivity to very small businesses. Companies equipped with the new solution can also access emerging network-based services.

The solution connects TalkSwitch phone systems to the IP network through a broadband Internet connection with voice gateways for fully converged communication.

TalkSwitch: big phone power, small business price tag

- Affordable, feature-rich, all-in-one phone system
- Unique modular architecture scales easily over a LAN up to 32 local and 32 remote extensions
- Customer-installable in less than 60 minutes
- User-friendly Windows-based interface administered through networked PC or remotely via the built-in modem
- Powerful remote extensions and cell phone support

IP network gateway

- 2-port FXS gateway or 4-port FXS or FXO gateways are integrated with TalkSwitch to achieve the desired blend of PSTN and IP connections
- Open standards SIP-based
- Operates with standard analog phones, TalkSwitch TS100 sets, cell phones and fax machines
- Easily configurable and remotely manageable
- SIP communication server and unit manager included
- Voicemail integration and simplified dialing plan

The TalkSwitch branch VoIP solution user benefits

By routing some call traffic over the IP network, the TalkSwitch branch VoIP solution reduces business communication costs for its users. Significant savings can be realized by eliminating inter-office, telework and mobile long-distance charges. Additionally, the system can minimize the number of telephone lines needed while maximizing utilization of broadband connections. Plus, by working with existing telephone sets and fax equipment, the solution is easy and cost-effective to integrate and offers outstanding total cost of ownership.

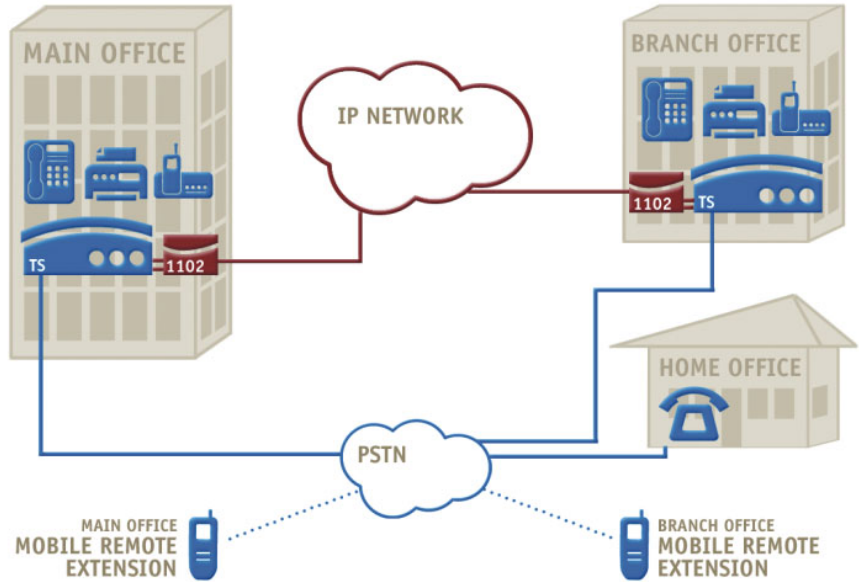
But the TalkSwitch branch VoIP solution does more than save money. By removing the barriers of distance and location, the solution improves productivity in all work zones – office, mobile and telework. TalkSwitch boosts collaboration with staff, partners and customers by connecting everyone easily and inexpensively.



SAMPLE CONFIGURATIONS

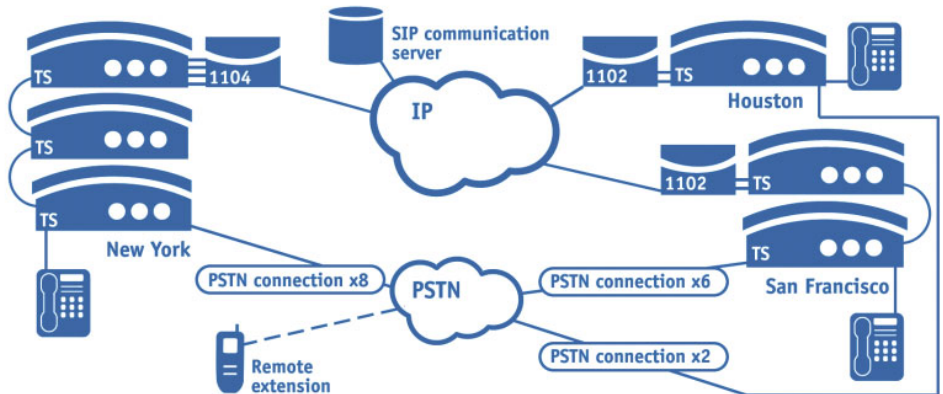
BRANCH TO BRANCH

Two offices are connected over the IP network with TalkSwitch systems and gateways. Both systems retain multiple ports for connections to the PSTN. Existing analog phones and fax machines are connected to each system. Mobile and analog home phones can be remote extensions of either office.



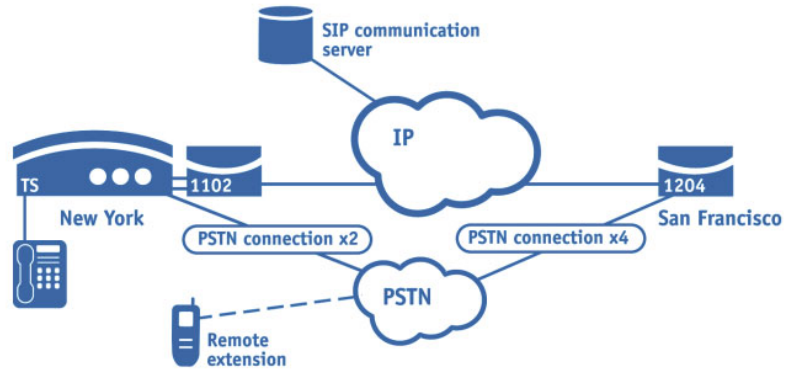
MULTI-BRANCH

TalkSwitch systems are deployed with gateways in three locations. Each office can connect with the others over the IP network using existing analog phones. All three branches retain multiple connections to the PSTN. Mobile remote extensions can be connected to each system over the PSTN.



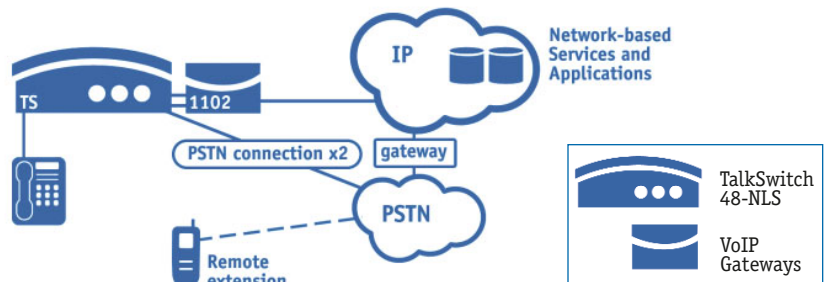
LOCAL PRESENCE

Establishes a local calling presence in a distant location. Here, a resident of San Francisco can dial a local number and be connected with the New York office over the IP network. This enables a business to provide cost-effective customer service in distant markets.



NETWORK SERVICES

TalkSwitch users can access service providers' network-based next generation service offerings and applications such as unified messaging, advanced conferencing and long-distance services on a location-independent basis



SYSTEM SPECIFICATIONS

FOR MORE INFORMATION

Full documentation, user manuals and related information on TalkSwitch systems available at www.talkswitch.com/support/index.html

Further information about the Mediatrix 1102, 1104 and 1204 is available at www.mediatrix.com/products.php

TalkSwitch Specifications

Extension Interface

Ringing voltage	90 volts RMS	RS-232, 9 pin interface	1
Ringing frequency	20 Hz - True Sine wave	USB interface	1
Total ringing load	5 REN	48-NLS LAN interface	RJ-45 Ethernet (10BaseT)
Trunk type	Loop start	48-NLS Memory expansion	1/2, 1, 2, or 4 1/2 hour
Connector type	RJ-11, 2 pin	Music input	Phono jack (mono)
Interface impedance	600 ohms	P.A. output	Phono jack (mono)
Flash hook supported	Yes	Power source	AC wall adapter 120VAC/16VAC 1.1A
		Power-failure Line to Extension jacks:	
		EXT.4 connects to Line 1	

C.O. Interface

Interface impedance	600 ohms
Trunk type	Loop start
Connector type	RJ-11, 4-pin
REN	1.8
Caller ID support	All lines
Distinctive ring supported	Yes

System

C.O. interfaces, TS 24	2
C.O. interfaces, TS 48-NLS	4
Extension interfaces, TS 24	4
Extension interfaces, TS 48-NLS	8

<i>Dimensions:</i>	51.6mm x 203.2mm x 213.4mm (HxWxL)
<i>Weight:</i>	TS 24: 0.675kg TS 48-NLS: 0.930 kg
<i>Approvals:</i>	FCC parts 15 and 68 Industry Canada CS-03 IEC 60950

Mediatrix IP Gateway Specifications

IP Telephony Protocols

SIP call signalling

Speech Compression

G.711 (A-law, μ -law), G.723.1, G.729a,b

Echo Cancellation

G.168

Silence Suppression

VAD/CNG

Network Management Protocols

SNMPv2, TFTP, DHCP

Ethernet Connection

1102: 2 RJ-45, 10/100 BaseT
1104, 1204: 1 RJ-45, 10/100 BaseT

Analog Connection

1102: 2 RJ-11, analog phone/fax (FXS) interface
1104: 4 RJ-11, analog phone/fax (FXS) interface
1204: 4 RJ-11 connectors, analog line (FXO) interface

Qos

802.1q, DiffServ

Real Time Fax

Group 3/Super G3 Fax real time FoIP over clear channel (G.711) or T.38

Dimensions & Weight 1102

Height: 5 cm, 2 inches
Width: 20 cm, 8 inches
Depth: 14 cm, 5.5 inches
Weight: 454 g, 1.2 lbs

Dimensions & Weight 1104 & 1204

Height: 5.5 cm, 2.2 inches
Width: 26.2 cm, 10.2 inches
Depth: 18 cm, 7.0 inches
Weight: 750 g, 1.7 lbs