



TALKSWITCH TELEPHONE SYSTEMS

Flexible, powerful and ready to expand with your business, TalkSwitch is the full-featured, all-in-one telephone system for small offices.

- VOICEMAIL
- AUTO ATTENDANTS
- REMOTE EXTENSIONS
- DIAL-BY-NAME DIRECTORY
- MUSIC ON HOLD
- USER-CONFIGURABLE
- CALL FORWARD
- CALL CASCADE
- RING GROUPS
- CALL BACK/CALL BRIDGE
- CALL HOLD/PARK/PICKUP
- CALL TRANSFER
- CALL CONFERENCE
- INTERCOM
- PUBLIC ADDRESS
- PAGING TO TALKSWITCH PHONES
- CALL QUEUE
- AUTO FAX DETECTION
- MODE SCHEDULING
- CALL SCREENING
- DISTINCTIVE RING
- AUTOMATIC ROUTE SELECTION
- TOLL RESTRICTION
- CALL DETAIL RECORD LOGGING
- LOCAL & REMOTE MANAGEMENT
- UNIFORM CALL DISTRIBUTION
- CELL/PAGER/E-MAIL NOTIFICATION OF NEW MESSAGES
- MULTILINGUAL

## BIG PHONE POWER, BUILT FOR SMALL BUSINESS

Each TalkSwitch system comes complete with sophisticated call-handling features that help you look big, reduce communications costs and stay connected everywhere. Multi-level auto attendants, built-in voicemail, innovative remote extensions and more are included. But sophisticated doesn't mean complicated; TalkSwitch is a snap to set up and use.

### GROW YOUR OWN WAY

From 2 to 64 users per location, there's a TalkSwitch system to fit every small business. TalkSwitch units come in different sizes with hybrid connections, so you can choose the way you communicate. You pick your own mix of networks (traditional and/or VoIP) and phones (analog and/or IP).

	Phone Lines	Analog/ IP Extensions	Pure IP Extensions	VoIP Trunks
<b>200 series</b>				
240vs	2	4	12	0
244vs	2	4	12	4
248vs	2	4	12	8
280vs	2	8	8	0
284vs	2	8	8	4
288vs	2	8	8	8
<b>400 series</b>				
480vs	4	8	8	0
484vs	4	8	8	4
488vs	4	8	8	8
<b>800 series</b>				
840vs	8	4	12	0
844vs	8	4	12	4
848vs	8	4	12	8

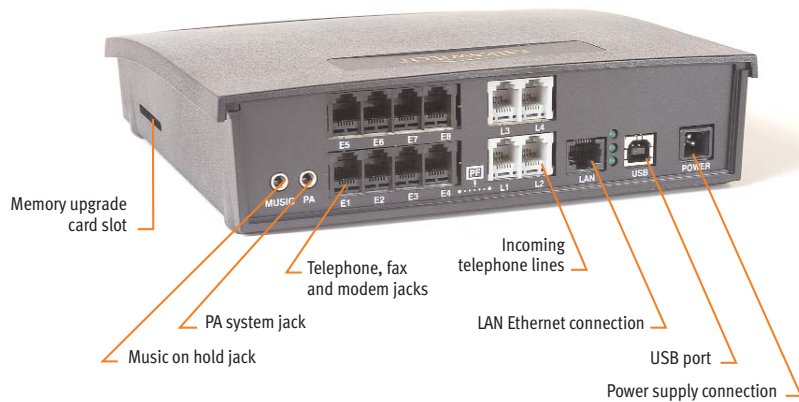
Up to four TalkSwitch units can be networked together on your LAN for a maximum capacity of 32 phone lines, 64 extensions and 32 VoIP trunks. You can start with what you need today, and add capacity as you grow.

Each TalkSwitch unit includes 10 remote extensions, for a maximum of 40 in a networked system. Each unit also includes a voice mailbox for each local and remote extension, plus 10 general-use mailboxes.

TalkSwitch systems have 9 auto attendants, so you can offer multiple options for your callers. The number of auto attendants is global; it does not increase in networked systems.

### FREE SOFTWARE UPDATES. YES, FREE.

TalkSwitch comes with free user-friendly configuration software, so you can set your system to work the way you want it to. Plus, we're continually adding features and functionality to our software, and we don't charge for updates.



## WARRANTY

The TalkSwitch is covered by a limited one-year warranty.

## CONNECTIONS

**Analog Extensions:** Standard 2-pin RJ-11 ports. Each TalkSwitch unit supports 4 or 8 analog phones or fax machines.

**PA Output:** 1/8" mono phone jack to connect TalkSwitch to a PA system to announce calls, or to a local speaker to monitor incoming calls and voicemail.

## AVAILABLE FROM:

**Audio Input:** 1/8" mono phone jack allows connection of standard audio devices (CD players, radio or PC soundcards) for music or messages on hold. TalkSwitch can also play a .wav file stored on the system.

**Ethernet Connection:** RJ-45 10BaseT Ethernet connection for LAN networking and management.

**Memory Card Slot:** Each TalkSwitch has 2 hours of built-in voicemail and auto attendant memory, which can be upgraded by up to 9 hours with optional memory cards.

**Incoming Telephone Lines:** Standard 2-pin RJ-11 ports; support for Caller ID and distinctive ringing. Each TalkSwitch unit can support 2, 4 or 8 incoming lines.

**USB Port:** Optionally connect to a PC via a USB port for configuration. Ethernet cable and software included. The system does not need to be connected to a PC to function.

**Power Source:** 120 VAC, 60 Hz — In. 16 VAC, 2.0 A — Out. AC adapter included.

## TECHNICAL SPECIFICATIONS

### System

LAN interface	RJ-45 Ethernet (10BaseT)
Memory expansion	1, 2, 4.5 and 9-hour memory cards
Power-failure line to extension jacks:	Extension 4 connects to Line 1

Ringing impedance	3,900 ohms
Ringing sensitivity	45 volts RMS @ 20 Hz
REN	0.7B
Longitudinal balance	69 dB
Signal level	-10 dB
Distinctive ring supported	Yes
Caller ID support	FSK, all lines

### Analog extension interface

Connector type	RJ-11, 2-pin
Trunk type	Loop start
Interface impedance	600 ohms
Loop range	0–600 ohms
Hook flash supported	Yes
On-hook voltage	35 volts
Off-hook loop voltage source	35 volts
Off-hook loop current	23 mA to 40 mA
Dial tone level	-2.4 dBm
Ringing voltage	90 volts RMS
Ringing frequency	20 Hz – sine wave
Total ringing load	5 REN

### VoIP features

- Embedded SIP server and user agents
- Integrated registrar
- Can use external SIP servers as required
- RTP
- Fax tone detection
- G.711  $\mu$ -law/A-law, G.726 (32 Kbps), G.729a
- G.168 echo cancellation
- VAD, silence suppression
- Adaptive jitter buffer
- Packet loss concealment

### Dimensions (H x W x L)

2.03" x 8" x 8.4"/51 mm x 203 mm x 213 mm

### About TalkSwitch

TalkSwitch® designs and develops award-winning phone systems for small, multi-location and franchise businesses. Since its establishment in 1990, TalkSwitch has dedicated itself to developing PBXs and IP PBXs that tens of thousands of small businesses across North America rely on. With a growing global network of resellers, distributors and partners, TalkSwitch phones and phone systems are changing the way small businesses communicate.

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**talkswitch**  
ANSWERS WITH INTELLIGENCE

### Analog trunks

Connector type	RJ-11, 2-pin
Trunk type	Loop start
Interface impedance	Configurable
	600 ohms, 600 complex/ 900 ohms, 900 complex

### Regulatory Approvals

**CE** ACTA TIA/EIA/IS-968A and FCC Part 68  
Industry Canada CS-03  
FCC Part 15B, Industry Canada ICES-003  
Power adapter complies with UL and CSA