

TALKSWITCH DATA & SPECIFICATIONS

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TALKSWITCH 24-CA

TALKSWITCH 48-CA

TALKSWITCH 48-CVA

talkswitch®



ANSWERS WITH INTELLIGENCE®

## TALKSWITCH 24-CA

Easy-to-use and economical, this is the complete, full-featured telephone system for small offices.

VOICEMAIL  
 AUTO ATTENDANTS  
 REMOTE EXTENSIONS  
 AUTO FAX DETECTION  
 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 ANNOUNCEMENT  
 CALL QUEUE  
 MODE SCHEDULING  
 CALL SCREENING  
 DISTINCTIVE RING  
 USES STANDARD PHONES  
 EXPANDABLE  
 UPGRADEABLE  
 EXPANDABLE MEMORY  
 UNIFORM CALL DISTRIBUTION

## TALKSWITCH 24-CA

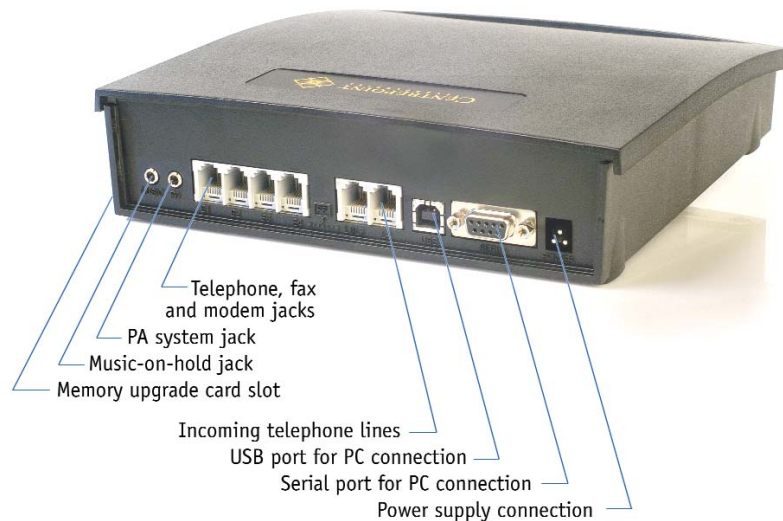
The TalkSwitch 24-CA is the compact, all-in-one telephone system that puts the rich features of PBX systems into the reach of small offices. Its voicemail, multi-level auto attendants, innovative remote extensions and sophisticated call handling features help businesses look big, reduce communications costs, and stay connected everywhere. With standard connections for fast and easy installation and free PC configuration software, TalkSwitch 24-CA system set-up and changes are a snap. TalkSwitch 24-CA is the perfect phone system for new businesses, small offices and home-based business.

### CAPACITY

- 2 lines in
- 4 local extensions
- 8 remote extensions
- 9 auto attendants
- 22 voice mailboxes

Expandable to the TalkSwitch 48-CA, with 4 lines/8 local extensions.

### CONNECTIONS



**Extensions:** 4 standard 2-pin RJ-11 ports — TalkSwitch 24-CA supports up to 4 standard analog telephones and fax machines.

**PA Output:** 1/8" mono phono jack to connect TalkSwitch 24-CA to a PA system to announce calls, or to a local speaker to monitor incoming calls and voicemail.

**Audio Input:** 1/8" mono phono jack allows connection of standard audio devices (CD players, radio or PC soundcard) for music or messages on hold.

**Incoming Lines:** 2 standard 4-pin RJ-11 ports. Support for Caller ID and distinctive ringing.

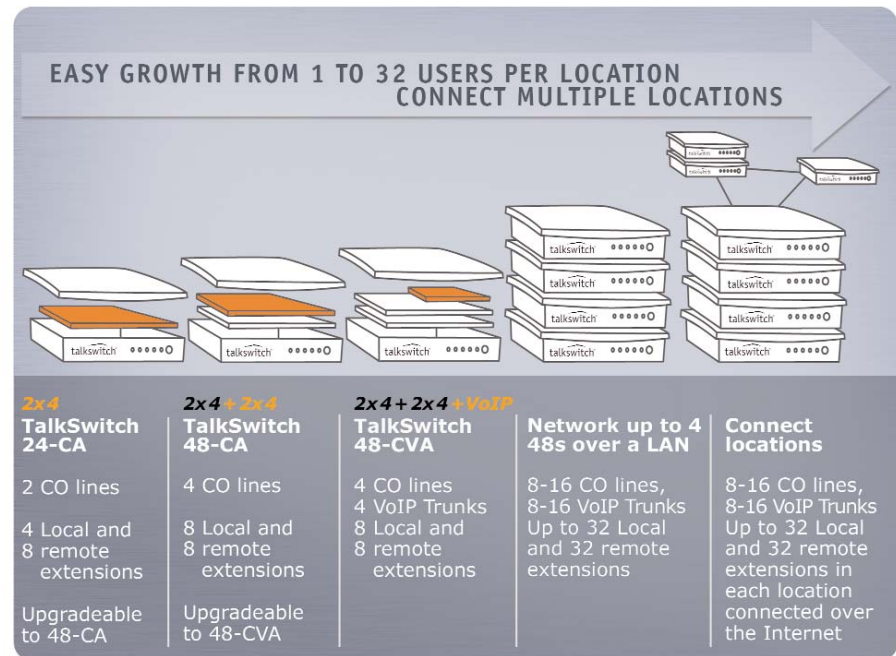
**PC Connection Ports:** Serial and USB ports connect the TalkSwitch 24-CA to a PC for configuration. Serial cable included. TalkSwitch 24-CA includes configuration software, but the system doesn't need to be connected to a PC to function.

**Power Source:** 120VAC/16VAC 1.5A AC wall adapter included.

**Memory Card Slot:** The TalkSwitch 24-CA has 30 minutes of built-in voicemail and auto-attendant memory, which can be upgraded by up to 9 hours.

**GROW YOUR OWN WAY**

Single and multi-location organizations come in all shapes and sizes and each one has its own unique telephone needs. So we designed TalkSwitch with a smooth evolutionary path that protects your investment. TalkSwitch is made to expand with you as your company grows and changes.



The TalkSwitch 24-CA can be upgraded to the TalkSwitch 48-CA, with 4 lines/8 local extensions. The TalkSwitch 48-CA opens the door to further growth up to 16 lines and 32 extensions, and to VoIP-enabled systems with up to 16 VoIP trunks per location.

**FREE SOFTWARE UPDATES. YES, FREE.**

**Software:** TalkSwitch comes with free user-friendly Windows-based configuration software. We continually add features and functionality to the configuration software, and we don't charge for updates.

**Warranty:** The TalkSwitch 24-CA is covered by a limited one-year warranty.

**TECHNICAL SPECIFICATIONS**

Ring voltage	90 volts RMS	<b>System</b>	
Ring frequency	20 Hz – Sine wave	C.O. interfaces	2
Total ringing load	5 REN	Extension interfaces	4
Trunk type	Loop start	RS-232, 9 pin interface	1
Connector type	RJ-11, 2-pin	USB interface	1
Interface impedance	600 ohms	Power-failure Line	
Flash hook supported	Yes	to Extension jacks:	Ext. 4 connects to Line 1
<b>C.O. Interface</b>		Dimensions (HxWxL)	2.03" x 8" x 8.4"
Interface impedance	600 ohms	Weight	1.488 pounds
Trunk type	Loop start	Approvals	ACTA TIA/EIA/IS-968 and FCC Part 68
Connector type	RJ-11, 4-pin		Industry Canada CS-03 and ICES 003
REN	1.8		
Caller ID support	All lines		
Distinctive ring supported	Yes		

**About TalkSwitch**

TalkSwitch® is dedicated to providing small and multi-location businesses with innovative telecommunications solutions. Since 1990, TalkSwitch has delivered rich features, high functionality and unbeatable value. Ideal for businesses with up to 32 telephone users per office, TalkSwitch systems provide users with options to connect to both the traditional telephone network (PSTN) and Voice over IP (VoIP) networks. TalkSwitch is headquartered in Ottawa, Canada. For more information, visit us at [www.talkswitch.com](http://www.talkswitch.com), or call us toll free in North America at 1.888.332.9322. In all other markets call +1.613.725.2980.

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TALKSWITCH TELEPHONE SYSTEMS

**TALKSWITCH 48-CA**

Flexible, powerful and expandable, this is the full-featured, all-in-one telephone system for growing offices.

- VOICEMAIL
- AUTO ATTENDANTS
- REMOTE EXTENSIONS
- AUTO FAX DETECTION
- 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 ANNOUNCEMENT
- CALL QUEUE
- MODE SCHEDULING
- CALL SCREENING
- DISTINCTIVE RING
- USES STANDARD PHONES
- EXPANDABLE
- LAN CAPABILITY
- UPGRADEABLE
- LOCAL & REMOTE MANAGEMENT
- UNIFORM CALL DISTRIBUTION
- EXPANDABLE MEMORY

**TALKSWITCH 48-CA**

The TalkSwitch 48-CA is the compact, all-in-one telephone system that puts the rich features of PBX systems into the reach of small offices. Its voicemail, multi-level auto attendants, innovative remote extensions and sophisticated call handling features help businesses look big, reduce communications costs, and stay connected everywhere. With standard connections for fast and easy installation and free PC configuration software, TalkSwitch 48-CA system set-up and changes are a snap. TalkSwitch 48-CA is also designed for easy growth and is upgradeable to include Voice over IP capabilities.

**CAPACITY**

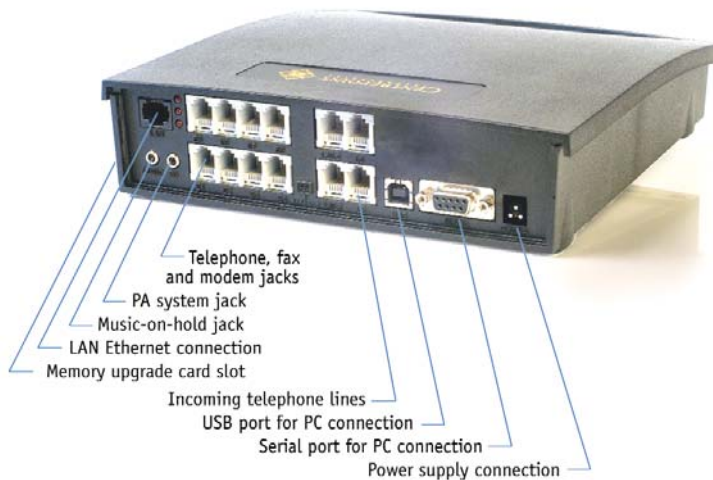
- 4 lines in
- 8 local extensions
- 8 remote extensions
- 9 auto attendants
- 26 voice mailboxes

Up to 4 TalkSwitch 48-CAs can be networked for added capacity of up to **16 lines** and **32 extensions**.

**CONNECTIONS**

**Extensions:** 8 standard 2-pin RJ-11 ports — TalkSwitch 48-CA supports up to 8 standard analog telephones and fax machines.

**PA Output:** 1/8" mono phono jack to connect TalkSwitch 48-CA to a PA system to announce calls, or to a local speaker to monitor incoming calls and voicemail.



**Audio Input:** 1/8" mono phono jack allows connection of standard audio devices (CD players, radio or PC soundcard) for music or messages on hold.

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

**Memory Card Slot:** The TalkSwitch 48-CA has 30 minutes of built-in voicemail and auto-attendant memory, which can be upgraded by up to 9 hours.

**Incoming Lines:** 4 standard 4-pin RJ-11 ports; support for Caller ID and distinctive ringing.

**PC Connection Ports:** Serial and USB ports connect the TalkSwitch 48-CA to a PC for configuration. Ethernet cable included. TalkSwitch 48-CA includes configuration software, but the system doesn't need to be connected to a PC to function.

**Power Source:** 120VAC/16VAC 1.5A AC wall adapter included.

**GROW YOUR OWN WAY**

We designed TalkSwitch with a smooth evolutionary path that protects investment and meets your future needs for growth.

TalkSwitch 48-CA growth is accommodated by networking up to 4 units on a LAN for up to 16 lines and 32 extensions.

The TalkSwitch 48-CA can be upgraded at any time by adding a VoIP module with 4 VoIP trunks. VoIP and non-VoIP units (48-CVA and 48-CA) can be networked together for up to 16 VoIP trunks.

**EASY GROWTH FROM 1 TO 32 USERS PER LOCATION  
CONNECT MULTIPLE LOCATIONS**

<p><b>2x4</b> TalkSwitch 24-CA</p> <p>2 CO lines</p> <p>4 Local and 8 remote extensions</p> <p>Upgradeable to 48-CA</p>	<p><b>2x4 + 2x4</b> TalkSwitch 48-CA</p> <p>4 CO lines</p> <p>8 Local and 8 remote extensions</p> <p>Upgradeable to 48-CVA</p>	<p><b>2x4 + 2x4 + VoIP</b> TalkSwitch 48-CVA</p> <p>4 CO lines 4 VoIP Trunks</p> <p>8 Local and 8 remote extensions</p>	<p><b>Network up to 4 48s over a LAN</b></p> <p>8-16 CO lines, 8-16 VoIP Trunks</p> <p>Up to 32 Local and 32 remote extensions</p>	<p><b>Connect locations</b></p> <p>8-16 CO lines, 8-16 VoIP Trunks</p> <p>Up to 32 Local and 32 remote extensions in each location connected over the Internet</p>
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**FREE SOFTWARE UPDATES. YES, FREE.**

**Software:** TalkSwitch comes with free user-friendly Windows-based configuration software. We continually add features and functionality to the configuration software, and we don't charge for updates.

**Warranty:** The TalkSwitch 48-CA is covered by a limited one-year warranty.

**TECHNICAL SPECIFICATIONS**

Ringing voltage	90 volts RMS	<b>System</b>	
Ringing frequency	20 Hz – Sine wave	C.O. interfaces	4
Total ringing load	5 REN	Extension interfaces	8
Trunk type	Loop start	RS-232, 9 pin interface	1
Connector type	RJ-11, 2-pin	USB interface	1
Interface impedance	600 ohms	LAN Interface	RJ-45 Ethernet (10BaseT)
Flash hook supported	Yes	Power-failure Line to Extension jacks:	Ext. 4 connects to Line 1
<b>C.O. Interface</b>			
Interface impedance	Configurable 600/900 ohms	Dimensions (HxWxL)	2.03" x 8" x 8.4"
Trunk type	Loop start	Weight	1.81 pounds
Connector type	RJ-11, 4-pin	Approvals	ACTA TIA/EIA/IS-968 and FCC Part 68
REN	0.7		Industry Canada CS-03 and ICES 003
Caller ID support	All lines		
Distinctive ring supported	Yes		

**About TalkSwitch**

TalkSwitch® is dedicated to providing small and multi-location businesses with innovative telecommunications solutions. Since 1990, TalkSwitch has delivered rich features, high functionality and unbeatable value. Ideal for businesses with up to 32 telephone users per office, TalkSwitch systems provide users with options to connect to both the traditional telephone network (PSTN) and Voice over IP (VoIP) networks. TalkSwitch is headquartered in Ottawa, Canada. For more information, visit us at [www.talkswitch.com](http://www.talkswitch.com), or call us toll free in North America at 1.888.332.9322. In all other markets call +1.613.725.2980.

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TALKSWITCH TELEPHONE SYSTEMS

**TALKSWITCH 48-CVA**

The full-featured, all-in-one telephone system with hybrid VoIP/traditional telephony.

- VOICE OVER IP ENABLED
- BUILT-IN SIP SERVER
- VOICEMAIL
- AUTO ATTENDANTS
- REMOTE EXTENSIONS
- AUTO FAX DETECTION
- 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 ANNOUNCEMENT
- CALL QUEUE
- MODE SCHEDULING
- CALL SCREENING
- DISTINCTIVE RING
- USES STANDARD PHONES
- EXPANDABLE
- LAN CAPABILITY
- UPGRADEABLE
- LOCAL & REMOTE MANAGEMENT
- UNIFORM CALL DISTRIBUTION
- EXPANDABLE MEMORY

**TALKSWITCH 48-CVA**

The TalkSwitch 48-CVA is a hybrid phone system that handles both traditional telephone calls and Internet calls. With (Voice over IP) VoIP, calls from a TalkSwitch 48-CVA in one location can be carried over a broadband Internet connection to a TalkSwitch 48-CVA (or VoIP gateway) in another location, eliminating long-distance charges.

The TalkSwitch 48-CVA also allows direct integration with service provider networks for VoIP services. And the system is based on the SIP protocol, so it's designed to interoperate with the industry-standard VoIP products and services of today and tomorrow.

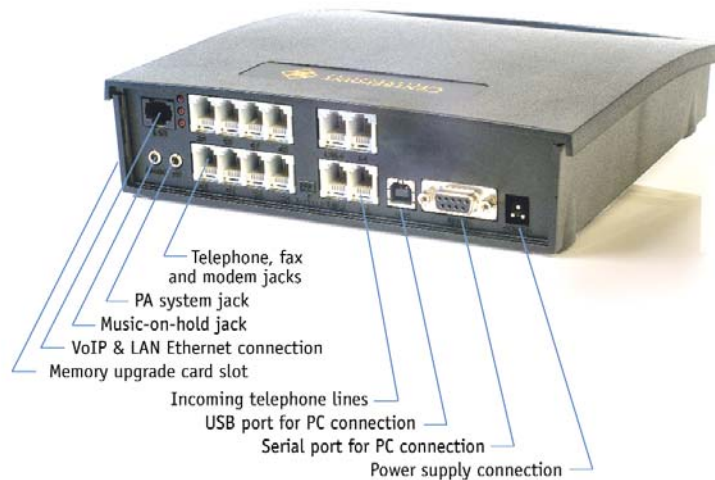
TalkSwitch 48-CVA includes the rich features that our phone systems are known for; voicemail, auto attendants, innovative remote extensions and sophisticated call handling help businesses look big, reduce communications costs, and stay connected everywhere. With standard connections for fast and easy installation and free PC configuration software, TalkSwitch 48-CVA system set-up and changes are a snap.

**CAPACITY**

- 4 lines in
- 8 local extensions
- 8 remote extensions
- 4 VoIP trunks
- 9 auto attendants
- 26 voice mailboxes

Up to 4 TalkSwitch 48-CVAs or 48-CAs can be networked over a LAN for added capacity of up to **16 lines, 16 VoIP trunks** and **32 extensions**.

**CONNECTIONS**



**Extensions:** 8 standard 2-pin RJ-11 ports. TalkSwitch 48-CVA supports up to 8 standard analog telephones and fax machines.



**PA Output:** 1/8" mono phono jack to connect TalkSwitch 48-CVA to a PA system to announce calls, or to a local speaker to monitor incoming calls and voicemail.

**Audio Input:** 1/8" mono phono jack allows connection of standard audio devices (CD players, radio or PC soundcard) for music or messages on hold.

**Ethernet connection:** RJ-45 10BaseT ethernet connection for LAN networking and management and access to 4 VoIP trunks.

**Memory Card Slot:** The TalkSwitch 48-CVA has 30 minutes of built-in voicemail and auto-attendant memory, which can be upgraded by up to 9 hours.

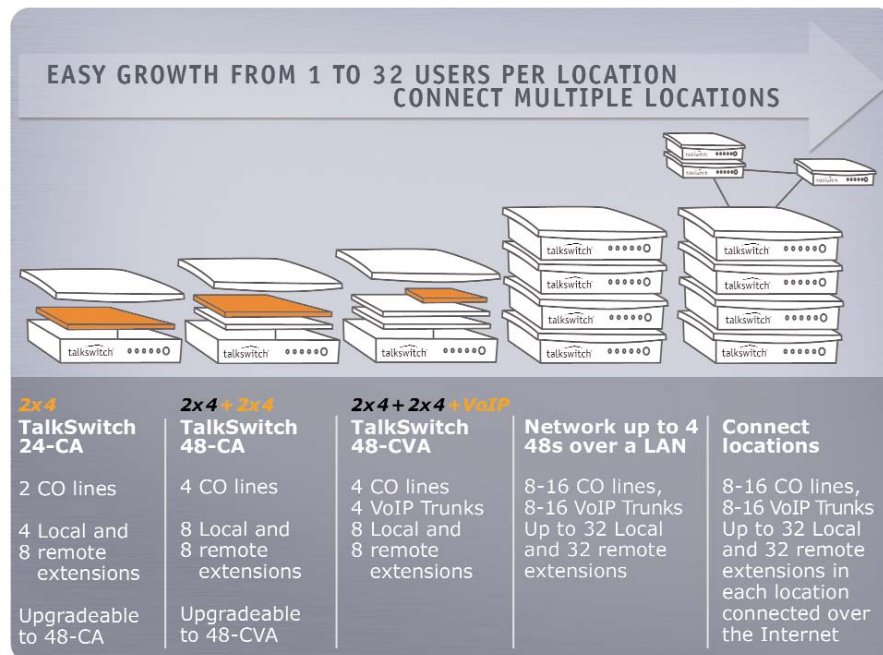
**Incoming Lines:** 4 standard 4-pin RJ-11 ports. Support for Caller ID and distinctive ringing.

**PC Connection Ports:** Serial and USB1 ports connect the TalkSwitch 48-CVA to a PC for configuration. Ethernet cable included. TalkSwitch 48-CVA includes configuration software, but the system doesn't need to be connected to a PC to function.

**Power Source:** 120VAC/16VAC 1.5A AC wall adapter included.

**GROW YOUR OWN WAY**

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**FREE SOFTWARE UPDATES. YES, FREE.**

**Software:** TalkSwitch comes with free user-friendly Windows-based configuration software. We continually add features and functionality to the configuration software, and we don't charge for updates.

**Warranty:** The TalkSwitch 48-CVA is covered by a limited one-year warranty.

**TECHNICAL SPECIFICATIONS**

Ringing voltage	90 volts RMS	<b>VoIP Specifications</b>	
Ringing frequency	20 Hz Sine wave	Embedded SIP Server and User Agents	
Total ringing load	5 REN	Integrated Registrar	
Trunk type	Loop start	Can use external SIP servers as required	
Connector type	RJ-11, 2-pin	RTP	
Interface impedance	600 ohms	G.711 $\mu$ -law/A-law, G.726 (32Kbps), G.729a	
Flash hook supported	Yes	G.168 echo cancellation	
		VAD, silence suppression	
		Adaptive jitter buffer	
		Packet loss concealment	
		Fax tone detection	
<b>C.O. Interface</b>			
Interface impedance	Configurable 600/900 ohms	Dimensions (HxWxL)	2.03" x 8" x 8.4"
Trunk type	Loop start	Weight	1.89 pounds
Connector type	RJ-11, 4-pin	Approvals	ACTA TIA/EIA/IS-968 and FCC Part 68 Industry Canada CS-03 and ICES 003
REN	0.7		
Caller ID support	All lines		
Distinctive ring supported	Yes		
<b>System</b>			
C.O. interfaces	4		
VoIP trunks	4		
Extension interfaces	8		
RS-232, 9 pin interface	1		
USB1 interface	1		
LAN Interface	RJ-45 Ethernet (10BaseT)		
Power-failure Line to Extension jacks	Ext. 4 connects to Line 1		

**About TalkSwitch**

TalkSwitch® is dedicated to providing small and multi-location businesses with innovative telecommunications solutions. Since 1990, TalkSwitch has delivered rich features, high functionality and unbeatable value. Ideal for businesses with up to 32 telephone users per office, TalkSwitch systems provide users with options to connect to both the traditional telephone network (PSTN) and Voice over IP (VoIP) networks. TalkSwitch is headquartered in Ottawa, Canada. For more information, visit us at [www.talkswitch.com](http://www.talkswitch.com), or call us toll free in North America at 1.888.332.9322. In all other markets call +1.613.725.2980.

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