

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
- CELL/PAGER/E-MAIL NOTIFICATION OF NEW MESSAGES
- AUTO ATTENDANTS
- REMOTE EXTENSIONS
- AUTO FAX DETECTION
- DIAL-BY-NAME DIRECTORY
- AUTOMATIC ROUTE SELECTION
- MUSIC ON HOLD
- USER-CONFIGURABLE
- CALL FORWARD
- CALL CASCADE
- CALL DETAIL RECORD LOGGING
- RING GROUPS
- CALL BACK/CALL BRIDGE
- CALL HOLD/PARK/PICKUP
- CALL TRANSFER
- CALL CONFERENCE
- INTERCOM
- PUBLIC ADDRESS
- CALL QUEUE
- MODE SCHEDULING
- HOLIDAY MODE
- CALL SCREENING
- DISTINCTIVE RING
- USES STANDARD AND IP PHONES
- EXPANDABLE
- LAN CAPABILITY
- FLASH UPGRADEABLE
- LOCAL & REMOTE MANAGEMENT
- EXPANDABLE MEMORY
- UNIFORM CALL DISTRIBUTION

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 VoIP-enabled TalkSwitch (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.

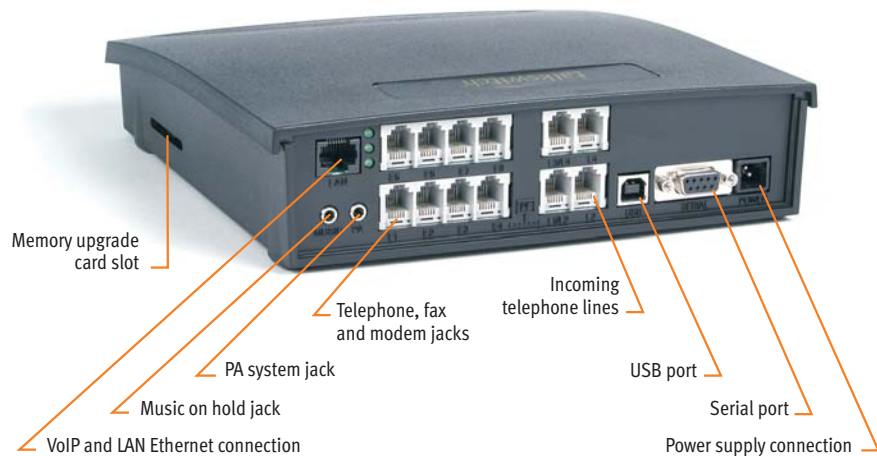
TalkSwitch 48-CVA includes the rich features that our phone systems are known for. Voicemail, auto attendants, innovative remote extensions and sophisticated call handling help businesses look big, reduce communications costs, and stay connected everywhere. With standard connections for fast and easy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

CAPACITY

- 4 lines in
- 8 analog or IP local extensions
- 10 remote extensions
- 4 VoIP trunks
- 9 auto attendants
- 28 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, 32 local and 40 remote 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. Can also play .wav file stored on TalkSwitch.

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 USB 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: 120 VAC, 60 Hz — In / 16 VAC, 1.5 A — Out. AC 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 can be expanded up to a maximum capacity of 16 incoming lines, 32 analog or IP extensions and 40 remote extensions.

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

System		Ringing sensitivity	45 volts RMS @ 20 Hz
Analog trunks	4	REN	0.7B
VoIP trunks	4	Longitudinal balance	69 dB
Analog extension interfaces	8	Signal level	-10 dB
USB interface	1	Distinctive ring supported	Yes
Serial interface (RS-232, 9-pin)	1	Caller ID support	FSK, all lines
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

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 – true sine wave
Total ringing load	5 REN

Analog trunks

Connector type	RJ-11, 4-pin
Trunk type	Loop start
Interface impedance	Configurable
	600 ohms, 600 complex
	900 ohms, 900 complex
Ringing impedance	3,900 ohms

VoIP features

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

Dimensions (H x W x L)

Metric	51.6 mm x 203.2 mm x 213.4 mm
Imperial	2.03" x 8" x 8.4"

Weight

Metric	0.90 kg
Imperial	1.98 lbs

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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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