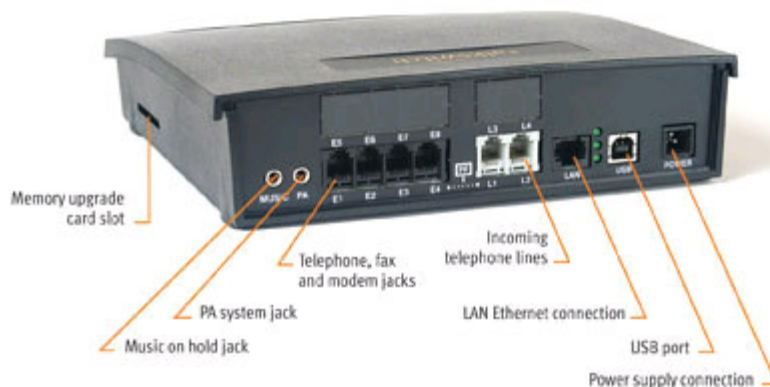


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## 24-CA TECHNICAL SPECIFICATIONS (North American models)



### System

Analog trunks	2
VoIP trunks	0
Analog extension interfaces	4
LAN interface	0
USB interface	1
Serial interface (RS-232, 9-pin)	1
Memory expansion	1, 2, 4.5 and 9 hour memory cards
Music input	Phono jack (1/8" mono) or stored .wav file
PA output	Phono jack (1/8" mono) or stored .wav file
Power source	120 VAC, 60 Hz — In / 16 VAC, 1.5 A — Out
Power-failure line to extension jacks	Extension 4 connects to Line 1

### Analog extension interface

Trunk type	Loop start
Connector type	RJ-11, 2-pin
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
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

## VoIP features (models with VoIP trunks only)

- Embedded SIP server and user agents
- Integrated registrar
- Can use external SIP servers as required
- RTP
- 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
- 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	0.64 kg
Imperial	1.41 lbs

### Regulatory Approvals



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

## 24-CA FEATURES

- VOICEMAIL
- CELL/PAGER 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 PHONES
- EXPANDABLE
- FLASH UPGRADEABLE
- EXPANDABLE MEMORY
- UNIFORM CALL DISTRIBUTION