



PHONE DATA EXCHANGE (PDX+™) SPEC SHEET

FUNCTIONS:

Administration

Setup and control via graphical browser interface, setup wizards, phone keypad (DTMF); easy moves, adds, changes; remote configuration; remote software download; remote diagnostics; SNMP traps; single setup screen per user; console port; call logging; backup via email, or file transfer protocol (FTP); single-user password

PBX Functions

Call control: hold, transfer, conference, forwarding, do not disturb; park calls, retrieve calls; Direct Inward Dialing (DID); speed dial; redial; call waiting; executive extension; one-number access; call blocking; distinctive ringing; calling line identification; overhead paging; music on hold; departmental groups; auto or manual trunk selection

User Call Control

Browser based graphical interface, virtual phone application (Virtual Console™), phone keypad (DTMF), company and personal address books; dial from personal information management applications such as Microsoft Outlook, Symantec Act, Lotus Organizer; intelligent call routing based on ring busy, ring no answer, Do Not Disturb (DND), call forwarding

Auto Attendant

Multi-tiered auto attendant; multiple greetings: company, lunch, holiday, after hours; dial by name, extension, directory; auto or hot key transfer to receptionist; automatic routing of fax calls; voice mail access

Voice Mail

500+ hours of storage; individual, general, virtual mail boxes; unlimited number of voice mail boxes; control and retrieval via phone keypad, browser, email, Virtual Console; playback via telephone or PC; forward voice message via email or phone; personal greetings; password protection; remote retrieval via email, browser and phone; priority messages; notification via email, stutter dial tone, voice announcement, Virtual Console, message light on CLASS compatible analog phone; message commands: skip, repeat, fast-forward, pause, save, delete, undelete, forward, return to receptionist; configurable maximum message length



Virtual Console

Control phone functions from the desktop; graphical user interface for dialing, conferencing, transfer calls, forward calls, park calls, redial, call hold, speed dial, overhead paging; caller ID; send callers to voice mail; view status of all extensions; one key dial from extension to extension; use as a receptionist console

Internet Access

Dial up: bandwidth-on-demand, dial-on-demand, Multi Link PPP, access speed up to 128 Kbps; dedicated access: Frame Relay with access speed up to 256Kbps; firewall; compatible with DSL routers for high speed Internet access

IP Routing

DHCP/NAT, bandwidth-on-demand, MLPPP (RFC 1990), multdestination IP routing

Intranet/LAN

Common document storage and sharing, DHCP Server, Local DNS Server, FTP Server, shared web links, company contact database

Remote Access

Analog V.34, T1 or ISDN*, PAP/CHAP password authentication

Email

SMTP and POP3 server, compatible with leading email programs; multimedia mailboxes (voice mail, email); mail aliases and distribution lists; programmable vacation/auto response; configurable retrieval times; message forwarding

*ISDN Access requires an ISDN BRI card

Select A Maximum Of 5 Cards							
System Configuration Matrix - Users	8 Users	16 Users	32 Users	48 Users	64 Users	96 Users	
System Card (required)	1	1	1	1	1	1	
Phone 16 Card		1		1			
Phone 32 Card			1	1	2	3	
System Configuration Matrix - Trunks	8 - Analog	16 - Analog	24 - Analog	6 - ISDN	24 - T1	24 - T1 & 8 - Analog	
PDX+ Analog	1	2	3			1	
PDX+ BRI/6U				1			
PDX+ T1					1	1	

► PHYSICAL SPECIFICATIONS:

PDX+ Tower 5 (System card plus 4 Slots)

Hard Disk Storage: >2.5 GB, 500 Hours of Voice Mail

Power Requirements: AC Input 100-127V (8.0A) / 200-240V (5.0A) 60/50Hz

LED Display Lights: PWR – Power, COL – Collision, DSK – Disk activity, RDY – Ready

Console Port: RS232D (DCE), DB9F, 9600, 8 data bits, no parity, 1 stop bit, No Flow Control

Network Interface: Connectors: RJ-45 Female, Dual 10BaseT ports

Weight & Dimensions: 40 lbs. (18.1 kg) net,

HxWxD= 17.5 x 7.0 x 12.0 in (44.5 x 17.8 x 30.5 cm)

Operating Temperature: 41 to 104°F (5 to 40°C),

Storage: -40 to 158°F (-40 to +70°C)

Humidity: up to 80%, non-condensing

Compatibility to the Cadretek PDX System: OS: Windows XP, NT, 95/98, Unix, MacOS, OS/2

Recommended Web Browser: Cookies enabled, (character based web browsers are not supported)

Microsoft Internet Explorer 4.0+, Netscape Communicator 4.0+

Email Application: Any POP3/SMTP client software

System Management: HTTP - industry standard web browser interface

Telnet - password protected dial-in from ISDN, T1, analog and Ethernet

SNMP Management: By a SNMP version -1 or version -2c, enterprise network management station, such as HP OpenView, Castlerock SNMPc

MIBs: Frame Relay DTE (RFC1315), Private MIB (Praxon Enterprise MIB - T1 Traps, System Traps), Standard Traps (RFC 1215)

Software Upgrade: Via web browser or FTP

PDX+ BRI 6U (ISDN Basic Rate x 6 Ports)

Connectors: Six Female RJ45

Port Type: ISDN Type "U" Basic Rate Interface (BRI), 2B+D (144Kb), built-in NT1's

Line Code: 2B1Q, per ANSI T1.601-1992

Line Type: One Twisted Pair

LED Display Lights: Activity, Sync, SPID

MODEMS: Four V.34 MODEMS

Switch Type Support: Northern DMS, Lucent 5ESS, National ISDN-1 (NI-1), ETSI | CTR | Net3

PDX+ Phone 32 (Up to 3 in a system)

Phone Connectors: Dual 50-pin Telco female connector, 16 ports per connector, 3 REN per port

One RJ-11 Connector Configuration Port

No. of ports: 32 station interfaces (FXS), two-wire analog, 900 ohms complex impedance

Music On Hold Input: 3.5 mm mono/stereo mini jack, 600 ohms nom. impedance, 2.0Vpp (typical)

Overhead Paging Output: 3.5 mm mono mini jack, 600 ohms nom.

Impedance, 1.0Vpp (typical)

Voice Mail / Auto Attendant

Record / Playback: μ -Law, A-Law PCM at 8kHz sample rate

Device Support: Standard analog, touch-tone phones, Fax machines, MODEMS

PDX+ Phone 16 (Up to 3 in a system)

Same As Phone 32 Except One Telco Female Connector and 16 Ports

► INTERFACE CARDS:

PDX+ Analog (Up to 3 in a system)

Trunk and Phone Connectors: Two 50-pin telco female connectors, 8 ports per connector

Two RJ-11 connectors as failsafe ports

Number Of Ports: 8 analog LS/GS trunks (FXO), 8 phone (FXS) or 8 DID interfaces

Network Interface: Auto detection of ground start, loop start Configurable DID or FXS interfaces

Line Signaling: DTMF (compliant to Bellcore LSSGR)

LED Display Lights: Trunk line status

MODEMS: Two V.34 MODEMS

Line Impedance: 600 Ohms, 900 Ohms or complex impedance

Tone Dialing and Detection: DTMF digits: 0-9, #,

* (compliant to Bellcore LSSGR)

Incoming Routing: Caller ID, DID (compliant to Bellcore

TR-NWT-000031, LSSGR)

Music On Hold Input: 3.5 mm mono/stereo mini jack, 600 ohms nominal impedance, 2.0Vpp (typical)

Overhead Paging Output: 3.5 mm mono mini jack, 600 ohms nominal impedance 1.0Vpp (typical)

Virtual Phone Console+

Included With PDX+ System Software

System Requirements: OS: Windows XP, NT 4.0+, 95/98+

IBM PC Compatible: 486 processor or later, 5 MB of Hard Disk Space, 16 MB of RAM, 800 x 600 resolution, 16 bit color display

TAPI Service Provider

Included With PDX+ System Software

System Requirements: OS: Windows XP, NT 4.0+, 95/98+

Microsoft Telephony Application Programming Interface (TAPI) 2.1+ Personal Information Manager (PIM) supporting basic TAPI functions

IBM PC Compatible: 486 processor or later, 1 MB of Hard Disk Space, 16 MB of RAM

PDX+ T1

T1 Connector: Single RJ-48C female connector, Bantam monitor jack

Number Of Channels: Up to twenty-four (24) ports for voice or data connection

Line Type: Two twisted pair

Network Interface: Integrated CSU w/bypass capabilities

Line Build Out (DSX-1): 0-133ft, 133-266ft, 266-399ft, 399-533ft, 533-655ft

Line Build Out (CSU): 0dB, -7.5dB, -15dB, or -22.5dB

Line Rate: Fractional T1 and T1 (64Kbps - 1.544 Mbps)

LED Display Lights: Green - System Status, Red - Red Alarm, Yellow - Yellow Alarm

MODEMS: Four V.34 MODEMS

Clock Source: T1 Network Line Code: AMI, B8ZS

Line Framing: SF(D4), ESF

Protocols: Robbed Bit Signaling: A, B, C and D, E&M Wink, loop start, ground start, Frame Relay, Data Link Signaling

FDL Support Of ANSI and AT&T Messaging

Max Data Rate: 256Kbps Frame Relay

Input/Output Impedance: 120 Ohms \pm 10%

Tone Detection: DTMF digits: 0-9, #, *

Incoming Routing: ANI, DNIS

Compliance: AT&T 62411, AT&T TR 43801, AT&T TR 41458, ANSI T1.403, ANSI T1.107, Bellcore TR-TSY-000008, Bellcore TA-TSY-000 170, Bellcore LSSGR Section 6, LMI - T1.617 annex D and Q.933 Annex A, Q.922



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