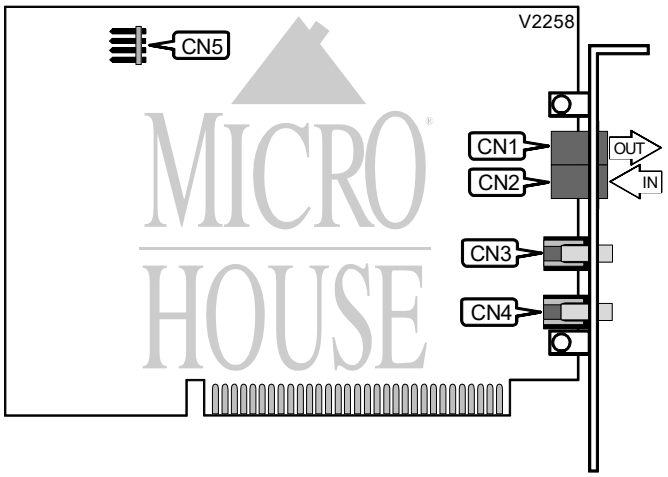
PROMETHEUS PRODUCTS, INC.
CYBERPORT PRO PC288IV, CYBERPHONE PC288IVSP

Card Type	Fax, Modem (asynchronous/synchronous)
Chip Set	Unidentified
I/O Options	Speakerphone, Voice-mail
Maximum Data Rate	28.8Kbps
Maximum Fax Rate	14.4Kbps
Data Bus	16-bit ISA
Fax Class	Class II
Data Modulation Protocol	Bell 103/212A ITU-T V.21, V.22, V.22bis, V.23, V.32, V.32bis, V.34
Fax Modulation Protocol	ITU-T V.17, V.21CH2, V.27ter, V.29, V.33
Error Correction/Compression	MNP5, V.42, V.42bis



CONNECTIONS			
Function	Label	Function	Label
Line out	CN1	Microphone	CN4
Line in	CN2	Sound card connector	CN5
Speaker	CN3		

Proprietary AT Command Set

ASYNCHRONOUS PROTOCOL (CONNCET MODE)	
Type:	Configuration
Format:	AT [cmds] \N*n* [cmds]
Description:	Selects asynchronous protocol (connect mode)
Command	Function
\N0	Normal mode enabled
\N1	Direct mode enabled (V.14 asynchronous)
\N2	MNP reliable mode enabled
\N3	Auto-reliable mode enabled
\N4	V.42 reliable mode enabled
\N5	V.42 auto-reliable mode enabled
\N6	Reliable mode enabled (V.13/simulated carrier control)

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AUTO-FALLBACK/FALL-FORWARD	
Type:	Configuration
Format:	AT [cmds] &A*n* [cmds]
Description:	Controls auto-fallback/fall-forward
Command	Function
&A0	Auto-fallback/fall-forward disabled
&A1	Auto-fallback/fall-forward enabled

AUTO-RELIABLE FALLBACK CHARACTER	
Type:	Configuration
Format:	AT [cmds] %A*n* [cmds]
Default:	Unidentified
Range:	0-127
Unit:	ASCII
Description:	Sets the character used as the auto-reliable fallback character
Note:	AT%A0 will disable this function.

AUTO-RELIABLE TIME BUFFER CONFIGURATION	
Type:	Configuration
Format:	AT [cmds] \C*n* [cmds]
Description:	Controls the handling of incoming data during auto-reliable time period
Command	Function
\C0	Time-out and fallback, speed buffer, no data buffer
\C1	Time-out and fallback, speed buffer, buffer receive data
\C2	Auto-reliable, fallback with fallback character speed buffer, no receive data buffer
\C3	Time-out and fallback, V.14, buffer receive data
\C4	Time-out or fallback with fallback character, V.14, no data buffer

BREAK HANDLING	
Type:	Configuration
Format:	AT [cmds] \K*n* [cmds]
Description:	Controls action of break character
Command	**Function**
\K0	Send break to remote modem immediately and buffered cleared
\K1	Send break to remote modem immediately and buffers saved
\K2	Timed break and buffers saved
\K3	Break ignored
\K4	Timed break until no break character and buffers saved
\K5	Timed break until no break character and buffers saved

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BUSY-OUT	
Type:	Configuration
Format:	AT [cmds] %B*n* [cmds]
Description:	Controls busy-out options
Command	**Function**
%B0	Disable busy-out
%B1	Enable busy-out on loss of DTR
%B2	Enable busy-out in local analog loopback test
%B3	Enable busy-out in local analog loopback test, or on loss of RTS or DTR
%B4	Enable busy-out on loss of RTS

CALL PROGRESS MONITOR	
Type:	Configuration
Format:	AT [cmds] %R*n* [cmds]
Description:	Sets the call progress monitor message speed
Command	**Function**
%R0	Autobaud
%R1	Send at last connect speed
%R2	Send at 300bps
%R3	Send at 1200bps
%R4	Send at 2400bps
%R5	Send at 4800bps
%R6	Send at 7200bps
%R7	Send at 9600bps
%R8	Send at 12Kbps
%R9	Send at 14.4Kbps
%R10	Send at 16.8Kbps
%R11	Send at 19.2Kbps
%R12	Send at 21.6Kbps
%R13	Send at 24Kbps
%R14	Send at 26.4Kbps
%R15	Send at 28.8Kbps
%R16	Send at 38.4Kbps
%R17	Send at 57.6Kbps
%R18	Send at 76.8Kbps
%R19	Send at 115.2Kbps
%R20	Send at 128Kbps

CHARACTER ABORT	
Type:	Configuration
Format:	AT [cmds] %K*n* [cmds]
Description:	Controls character abort
Command	Function
%K0	Character abort enabled (2 second delay)
%K1	Character abort disabled

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CHARACTER LENGTH	
Type:	Configuration
Format:	AT [cmds] \B*n* [cmds]
Description:	Controls character length: data bits, parity, stop bits.
Command	**Function**
\B0	6 data bits, no parity, 1 stop bit
\B1	7 data bits, no parity, 1 stop bit
\B2	7 data bits, \P sets parity, 1 stop bit
\B3	8 data bits, no parity, 1 stop bit
\B4	7 data bits, \P sets parity, 2 stop bits
\B5	8 data bits, \P sets parity, 1 stop bit

COMPRESSION	
Type:	Configuration
Format:	AT [cmds] %C*n* [cmds]
Description:	Selects data compression
Command	Function
%C0	Data compression disabled
%C1	Enabled in both transmit and receive paths
%C2	Enabled in transmit path only in V.42bis
%C3	Enabled in receive path only in V.42bis

COMMUNICATIONS MODE	
Type:	Configuration
Format:	AT [cmds] &M*n* [cmds]
Description:	Selects communications mode
Command	Mode
&M0	Asynchronous mode
&M1	Synchronous mode with DTR to data delay (S25 register)

CONNECT MESSAGE TYPE	
Type:	Configuration
Format:	AT [cmds] \V*n* [cmds]
Description:	Selects connect message
Command	Function
\V0	Extended result codes disabled, standard connect message displayed
í \V1	Extended result codes enabled, MNP class and DTE speed displayed
\V2	Extended result codes enabled, /REL and DCE speed displayed
\V3	Extended result codes enabled, connection speed is DTE speed

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DATA CARRIER DETECT (DCD)	
Type:	Configuration
Format:	AT [cmds] &C*n* [cmds]
Description:	Controls DCD signal
Command	Function
&C0	DCD forced high
&C1	DCD forced high after CD signal detected
&C2	DCD forced high, toggle DCD on disconnect

DATA SET READY (DSR)	
Type:	Configuration
Format:	AT [cmds] &S*n* [cmds]
Description:	Selects DSR options
Command	Function
&S0	DSR forced high, toggle DSR on disconnect
&S1	DSR high only while modem is handshaking or connected
&S2	DSR high only while modem is connected
&S3	DSR forced high

DATA TERMINAL READY (DTR)	
Type:	Configuration
Format:	AT [cmds] &D*n* [cmds]
Description:	Selects modem response to DTR
Command	**Function**
&D0	Modem does not respond to DTR, DTR forced high
&D1	Modem goes to command mode after DTR goes is off
&D2	Modem goes on-hook after DTR goes off
&D3	Modem is initialized after DTR goes off

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DIAL	
Type:	Immediate
Format:	AT [cmds] D<#> [cmds]
Description:	Dials telephone number according to any modifiers included in the string
Note:	Any combination of modifiers can be used to produce the desired dial functions in sequence.
Modifier	Function
Ln	Link to cell n if modem cannot connect
P	Pulse dialing enabled
R	Answer mode enabled, originate mode disabled following handshake initiation
Sn	Dial stored telephone number *n*
T	Tone dialing enabled
W	Dialing resumed following dial tone detection after amount of time specified in S6 register
! or &	Modem commanded to go off-hook for .5 second before returning on-hook
, or <	Dialing paused for amount of time specified in S8 register
:n	Re-dial n times until connected
;	Modem returned to command state after dialing
@	Wait for quiet answer for amount of time specified in S7 register

DIAL-UP HANDSHAKE	
Type:	Configuration
Format:	AT [cmds] &H*n* [cmds]
Description:	Select the handshake mode
Command	**Function**
&H0	Set to GDC fast auto (28.8K - 300bps)
&H1	Set to GDC fast only (28.8K - 9600bps)
&H2	Set to V.32bis auto (14.4K - 300bps)
&H3	Set to V.32bis only (14.4K - 4800bps)
&H4	Set to V.32 auto (9600 - 300bps)
&H5	Set to V.32 only (9600 - 4800bps)
&H6	Set to V.22bis only (2400 - 1200bps)
&H7	Set to V.22 only (1200bps)
&H8	Set to Bell 212A only (1200bps)
&H9	Set to Bell 103 only (300bps)
&H10	Set to V.21 only (300bps)

DISPLAY STORED NUMBERS	
Type:	Immediate
Format:	AT [cmds] &V [cmds]
Description:	Displays all stored phone numbers in sequence (0-3)

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DSR	
Type:	Configuration
Format:	AT [cmds] %S*n* [cmds]
Description:	Controls DSR signal
Command	**Function**
&S0	DSR forced high, DSR forced low on disconnect
&S1	DSR normal
&S2	DSR follows CD
&S3	DSR forced high

DSR - TEST MODE	
Type:	Configuration
Format:	AT [cmds] %D*n* [cmds]
Description:	Controls DSR signal during test modes
Command	**Function**
%D0	DSR forced high during local analog loopback test
%D1	DSR forced low during this test

DTE INTERFACE CONTROLLED TESTS	
Type:	Configuration
Format:	AT [cmds] %E*n* [cmds]
Description:	Controls test modes using DTE interface pins
Command	**Function**
%E0	Disable tests using DTE interface pins
%E1	Enable tests using DTE interface pins (V.24 circuit 140 and 141)

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DTE SPEED	
Type:	Configuration
Format:	AT [cmds] \T*n* [cmds]
Description:	Sets DTE speed
Command	**Function**
\T0	Autobaud, AT%R sets call progress monitor message speed
\T1	Set to last AT speed
\T2	Set to 300bps
\T3	Set to 1200bps
\T4	Set to 2400bps
\T5	Set to 4800bps
\T6	Set to 7200bps
\T7	Set to 9600bps
\T8	Set to 12Kbps
\T9	Set to 14.4Kbps
\T10	Set to 16.8Kbps
\T11	Set to 19.2Kbps
\T12	Set to 21.6Kbps
\T13	Set to 24Kbps
\T14	Set to 26.4Kbps
\T15	Set to 28.8Kbps
\T16	Set to 38.4Kbps
\T17	Set to 57.6Kbps
\T18	Set to 76.8Kbps
\T19	Set to 115.2Kbps
\T20	Set to 128Kbps

DTR DIALING	
Type:	Configuration
Format:	AT [cmds] %Z*n* [cmds]
Description:	Controls DTR dialing
Command	**Function**
%Z0	Ignore
%Z1=*n*	Dial cell *n*
%Z2	Go off-hook, try to handshake

FACTORY DEFAULT PROFILE	
Type:	Configuration
Format:	AT [cmds] &F*n* [cmds]
Description:	Sets values in active profile to values found in the default profile
Command	**Function**
&F0	Dial-up, asynchronous, V.42, and V.42bis modes enabled
&F1	Dial-up, synchronous modes enabled

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FLOW CONTROL	
Type:	Configuration
Format:	AT [cmds] \G*n* [cmds]
Description:	Selects modem port flow control
Command	Function
\G0	Flow control disabled
\G1	Enable XON/XOFF in both transmit and receive paths
\G2	Enable in transmit path only
\G3	Enable in both transmit and receive paths, with pass-through

FLOW CONTROL TYPE	
Type:	Configuration
Format:	AT [cmds] \Q*n* [cmds]
Description:	Sets type of flow control used by modem
Command	Function
\Q0	Flow control disabled
\Q1	Bi-directional XON/XOFF flow control enabled
\Q2	CTS flow control enabled
\Q3	RTS/CTS flow control enabled
\Q4	Unidirectional XON/XOFF flow control by DCE enabled

LINE SIGNAL QUALITY	
Type:	Configuration
Format:	AT [cmds] %Q [cmds]
Description:	Controls how the modem responds to poor signal quality
Command	**Function**
%Q0	No retraining, disabled
%Q1	Retrain up to 3 times, disconnect if quality is still not good
%Q2	Retrain until signal quality is good

OVERSPEED CORRECTION	
Type:	Configuration
Format:	AT [cmds] \A*n* [cmds]
Description:	Controls overspeed correction
Command	Function
\A0	Connect with 1.25% (nominal) asynchronous overspeed correction
\A1	Connect with 2.5% (extended) overspeed correction

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PARITY	
Type:	Configuration
Format:	AT [cmds] \P*n* [cmds]
Description:	Selects the type of parity used
Command	**Function**
\P0	Even parity
\P1	Space parity
\P2	Odd parity
\P3	Mark parity
\P4	Automatic (from last AT command)

REPORT INFORMATION	
Type:	Immediate
Format:	AT [cmds] I*n* [cmds]
Description:	Displays information requested
Command	Function
I0	Reports product code
I1	Reports ROM checksum
I2	Tests and reports ROM checksum
I3	Reports firmware revision level
I4	Reports a summary of all S-registers

RETRANSMISSION COUNTER	
Type:	Register
Format:	AT [cmds] S70=*n* [cmds]
Default:	100
Range:	0-255
Unit:	Unidentified
Description:	Controls how many retransmission’s are accounted for

SYNCHRONOUS PROTOCOL (CONNECT MODE)	
Type:	Configuration
Format:	AT [cmds] \M*n* [cmds]
Description:	Selects synchronous protocol
Command	Function
\M0	Normal synchronous mode enabled
\M1	V.13 synchronous mode enabled (simulated controlled carrier)

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TEST MODES	
Type:	Immediate
Format:	AT [cmds] &T*n*
Description:	Selects test options
Command	Function
&T0	End current test
&T1	Begin local analog loopback test
&T3	Begin local digital loopback test
&T4	Enable remote digital loopback test
&T5	Disable remote digital loopback test
&T6	Disable remote digital loopback test
&T7	Enable remote digital loopback with self-test
&T8	Enable local analog loopback and self-test
&T9	Enable End-to-End self-test

TRELLIS CODING	
Type:	Configuration
Format:	AT [cmds] &U*n* [cmds]
Description:	Controls trellis coding
Command	**Function**
&U0	Enabled trellis coding
&U1	Disabled trellis coding

V.13 - SIMULATED CONTROLLED CARRIER	
Type:	Configuration
Format:	AT [cmds] &E*n* [cmds]
Description:	Controls V.13 carrier in direction selected
Command	**Function**
&E0	Enabled in both transmit and receive paths
&E1	Enabled in transmit path only
&E2	Enabled in receive path only