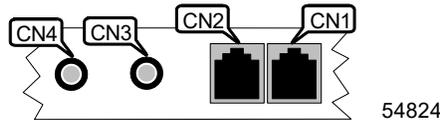


MAXTECH CORPORATION

XPS 288IR (SF-1128HV/R16-PNP)

Card Type Modem, Fax
Chip Set Unidentified
I/O Options Line in, line out, microphone in, speaker out
Maximum Modem Rate 28.8Kbps
Maximum Fax Rate 14.4Kbps
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.27ter, V.29
Error Correction/Compression MNP5, V.42, V.42bis
Fax Class Class I & II
Data Bus 16-bit ISA
Card Size Half-length, half-height card



CONNECTIONS				
Function	Label	Function	Label	
Line out	CN1	Microphone in	CN3	
Line in	CN2	Speaker out	CN4	

SUPPORTED COMMAND SET
Basic AT Commands
AT, '+***', A/
A, B, E, H, M, O, P, Q, T, V, W, X, Y, Z
&C, &F, &P, &T, &V, &W, &Y, &Z
Extended AT Commands
\A, \B, \K, \N
%C, %L, %Q
S Registers
S0, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S14, S16, S18, S21, S22, S23, S24, S25, S26, S27, S29, S30, S31, S32, S33, S36, S37, S38, S39, S40, S41, S46, S48, S82, S86, S91, S92, S95
Special Commands
#BDR, #CID=n, #CID?, #CID=?, #MDL?, #MFR?, #REV?, #TL, #VBQ?, #VBS, #VBT, #VCI?, #VLS, #VRA,
#VRN, #VRX, #VSDB, #VSK, #VSP, #VSR, #VSS, #VTD, #VTM, #VTS, #VTX, +MS
Note: See MHI Help File for full command documentation.

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Proprietary AT Command Set

AUTOSCAN MODE	
Type:	Immediate
Format:	AT [cmds] Nn [cmds]
Description:	Enables/Disables Autoscan mode
Command	Function
N0	Autoscan mode disabled
í N1	Autoscan mode enabled

COMMUNICATIONS MODE	
Type:	Configuration
Format:	AT [cmds] &Mn [cmds]
Description:	Selects communications mode
Command	Mode
í &M0	Asynchronous mode

COMMUNICATIONS MODE (DATA LINK AND FALLBACK)	
Type:	Configuration
Format:	AT [cmds] &Q [cmds]
Description:	Configures data link options
Command	Function
&Q0	Set Direct data link only
&Q5	Set V.42 data link with fallback options
&Q6	Set Normal data link only

CTS	
Type:	Configuration
Format:	AT [cmds] &Rn [cmds]
Description:	Configures CTS settings
Command	Function
&R0	Reserved
í &R1	Enables CTS operation based on flow control settings

DATA SET READY (DSR)	
Type:	Configuration
Format:	AT [cmds] &Sn [cmds]
Description:	Selects DSR options
Command	Function
&S0	DSR forced high
í &S1	DSR is off while in command mode and set on in on-line mode

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XPS 288IR (SF-1128HV/R16-PNP)

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DATA TERMINAL READY (DTR)	
Type:	Configuration
Format:	AT [cmds] &Dn [cmds]
Description:	Selects modem response to DTR
Command	Function
í &D0	Modem does not respond to DTR
&D1	Modem goes to command mode after DTR goes is off
&D2	Modem goes to command mode and disconnects (hangs up) after DTR goes off; Auto-Answer is disabled.
&D3	Modem is initialized after DTR goes off

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.
Command	Function
DL	Re-dial last number
DP	Pulse dialing enabled
í DT	Tone dialing enabled/Pulse dialing disabled
DW	Dialing resumed following dial tone detection
D,	Dialing paused for amount of time specified in S8 register
D"WXY"	Optional method of denoting telephone numbers. Letters enclosed in quotes are interpreted as numbers according to the system found on a telephone keypad.
D!	Flash function initiated. Modem commanded to go off-hook for specified time before returning on-hook.
D@	Wait for Quite Answer function enabled. Modem waits until a "quiet answer," a ring-back signal followed by silence up to the time specified in S7, is received prior to executing the rest of the dial string.
D;	Modem returned to idle state after dialing. The semicolon can only be placed at the end of the dial command.

FLOW CONTROL	
Type:	Immediate
Format:	AT [cmds] &K [cmds]
Description:	Configures flow control settings
Command	Function
&K0	Flow control disabled
&K3	RTS/CTS hardware flow control enabled
&K4	XON/XOFF software flow control enabled
&K5	Transparent XON/XOFF software flow control enabled
&K6	RTS/CTS & XON/XOFF flow control enabled

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GUARD TONE	
Type:	Configuration
Format:	AT [cmds] &Gn [cmds]
Description:	Enables/Disables and configures guard tone
Command	Function
í &G0	Guard tone disabled
&G1	Guard tone disabled
&G2	Set guard tone at 1800Hz

HAYES SMARTMODEM 300 COMPATIBILITY	
Type:	Configuration
Format:	AT [cmds] Xn [cmds]
Description:	Configures modem response and blind dialing capabilities
Command	Function
X0	Sets modem to use Hayes Smartmodem 300 responses and blind dialing
X1	Sets modem to use Hayes Smartmodem 300 responses, CONNECT responses, and blind dialing
X2	Sets modem to use Hayes Smartmodem 300 responses, CONNECT responses, dial tone detection, and blind dialing
X3	Sets modem to use Hayes Smartmodem 300 responses, CONNECT responses, busy detection, and blind dialing
í X4	Set modem to use all responses, dial tone detection, and busy signal detection

LINE TYPE	
Type:	Configuration
Format:	AT [cmds] &Ln [cmds]
Description:	Selects line type
Command	Line Type
í &L0	Switched line (PSTN/Dial-up)

REPORT INFORMATION	
Type:	Immediate
Format:	AT [cmds] In [cmds]
Description:	Displays information requested
Command	Function
I0	Reports product ID
I1	Reports ROM checksum
I2	Tests and reports internal memory
I3	Reports firmware ID
I4	Reports reserved ID

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SPEAKER VOLUME	
Type:	Configuration
Format:	AT [cmds] Ln [cmds]
Description:	Controls speaker volume
Command	Function
L0	Low volume setting
í L1	Low volume setting
L2	Medium volume setting
L3	Highest volume setting

Extended AT Commands

AUTO-RETRAIN - AUTO-FALLBACK/FALL-FORWARD	
Type:	Configuration
Format:	AT [cmds] %En [cmds]
Description:	Controls auto-retrain mode and fallback/fall-forward
Command	Function
%E0	Auto-retrain disabled
%E1	Auto-retrain enabled

CONNECT MODE	
Type:	Configuration
Format:	AT [cmds] \Nn [cmds]
Description:	Configures data link and fallback options
Command	Function
\N0	Set Normal data link only
\N1	Set Direct data link only
\N2	Set V.42 or MNP data link only
í \N3	Set V.42/MNP/Normal data link
\N4	Set V.42 data link only
\N5	Set MNP data link only