



# Viking Combo 33.6K Modem/Ethernet Card

## AT Command Summary

Command	Title	Default
A/	Re-execute Command	none
A	Answer	none
Bn	Set ITU-T or Bell Mode	1 *
Dn	Dial	T
En	Command Echo	1 *
Fn	Select Line Modulation (14400)	none
+MS	Select Line Modulation (28800)	none
Hn	Switch-Hook Control	none
In	Identification	none
Ln	Speaker Volume	2 *
Mn	Speaker Control	1 *
Nn	Automode Detection	1 *
On	Return To The On-Line State	none
P	Set Pulse Dial As Default	none *
Qn	Result Code Display	0 *
Sn	Reading/Writing S Registers	none
T	Set Tone Dial As Default	none *
Vn	Result Code Form (Message Control)	1 *
Wn	Connect Message Control	0 *
Xn	Extended Result Codes	4 *
Yn	Control Long Space Disconnect	0 *
Zn	Reset	none
&Cn	DCD Option	0 *
&Dn	DTR Option	0 *
&F	Restore Factory Configuration	none
&Gn	Set Guard Tone	0 *
&Jn	Telephone Jack Selection	0 *
&Kn	DTE/Modem Flow Control	3 *
&Ln	Line Type	0 *
&Mn	Communication Mode	(&Qn) *
&Pn	Dial Pulse Ratio	0 *
&Qn	Communication Mode	5 *
&Rn	RTS/CTS Option	0 *
&Sn	DSR Option	0 *
&Tn	Test And Diagnostic	4 *
&V	View Configuration and User Profiles	none
&Wn	Store User Profile	none
&Yn	Designate Default User Profile	0 *
&Zn=x	Store Phone Number	none

<b>Command</b>	<b>Title</b>	<b>Default</b>
\Bn	Transmit Break	3
\Gn	Modem-to-Modem Flow Control	0
\Kn	Break Control	5
\Nn	Operation Mode Control	none *
%Cn	Compression Control	1 *
%En	Disable/Enable Line Quality Monitor	0
%L	Report Received Signal Level	none
%Q	Report Line Signal Quality	none
-Kn	MNP Extended Services	1
*Hn	Link Negotiated Speed	0 *
)Mn	Transmit Level Adjust for Cellular Connection	0
:En	Compromise Equalizer	1
@Mn	Initial Cellular Power Level	0
[n	Event Based Command	None

\* Indicates command is saved in Non-Volatile Memory

## Modem S Registers

The S registers are summarized below along with their default values. Registers denoted with \* may be stored in one of the two user profiles by entering the &Wn command. One of these profiles may be loaded at any time by using the Zn command. Registers denoted with \*\* indicate that writing to bit mapped options registers can result in unreliable and unpredictable operations.

## Default Register Settings

The factory default values are stored in ROM and are loaded into the active configuration at power up or by the Zn command. In addition, the designated default profile is subsequently loaded, and might change some of the factory default values. The designated default profile can be changed by entering the &Yn command where n is one of the two possible user profiles. All of the factory default values may be loaded at any time by entering the &F command.

## Modem Register Summary

<b>Register</b>	<b>Title</b>	<b>Default</b>
S0 *	Number of Rings Till Auto-Answer	0
S1	Ring Counter	0
S2 *	Escape Character	43
S3	Carriage Return Character	13
S4	Line Feed Character	10
S5	Back Space Character	8
S6	Wait For Blind Dialing *	2

<b>Register</b>	<b>Title</b>	<b>Default</b>
S7 *	Wait For Carrier After Dial	50
S8 *	Pause Time For Dial Delay	2
S9 *	Carrier Detect Response Time	6
S10	Lost Carrier To Hang Up Delay	14
S11 *	DTMF Tone Duration	95
S12 *	Escape Code Guard Time	50
S13	Reserved	none
S14 *	Bit Mapped Options **	138
S15	Reserved	none
S16	Bit Mapped Test Options **	0
S17	Reserved	none
S18 *	Test Timer	0
S19	Reserved	0
S20	Reserved	none
S21 *	Bit Mapped Options **	4
S22 *	Bit Mapped Options **	117
S23 *	Bit Mapped Options **	55
S24	Sleep Inactivity Timer	10
S25 *	Delay To DTR	5
S27 *	Bit Mapped Options **	74
S28	Bit Mapper Options	0
S29	Reserved	none
S30 *	Inactivity Timer	0
S31	Bit Mapper Options **	194
S32	XON Flow Control Character	17
S33	XOFF Flow Control Character	19
S34-S35	Reserved	none
S36 *	LAPM Failure Control	7
S37 *	Desired Telco Line Speed	0
S38 *	Delay Before Forced Disconnect	20
S39 *	Bit Mapped Options **	3
S40	Bit Mapped Options (MNP) **	105
S41	Bit Mapped Options (MNP) **	03
S44	Unused	none
S46 *	Protocol Selection	138
S48 *	V.42 Negotiated Action	7
S86	Connection Failure Cause Code	0
S95 *	Extended Result Codes	0

## Facsimile Commands

Facsimile commands are listed here only for reference. Use of these commands should be limited to facsimile application software.

If you have additional questions about the facsimile operation, please contact Ositech.

## Class 1 Commands

Command	Description
+FTS=n	Stop transmission and wait
+FRS=n	Receive silence
+FTM=n	Transmit data
+FRM=n	Receive data
+FTH=n	Transmit data with HDLC framing
+FRH=n	Receive data with HDLC framing

## Class 2 Commands

### *Action Commands*

Command	Description
D	Originate a call
A	Answer a call
+FDT=	Data transmission
+FET=N	Transmit page punctuation
+FDR	Begin or continue phase C receive data
+FK	Session termination

### *DCE Responses*

Command	Description
+FCON	Facsimile connection response
+FDCS:	Report current session
+FDIS:	Report remote identification
+FCFR	Indicate confirmation to receive
+FTSI:	Report the transmit station ID
+FCSI:	Report the called station ID
+FPTS:	Page transfer status
+FET:	Post page message response
+FHNG	Call termination with status

### *Session Parameters*

Command	Description
+FMFR?	Identify manufacturer
+FMDL?	Identify model
+FREX?	Identify revision
+FDCC=	DCE capabilities parameters
+FDIS=	Current session parameters
+FDCS=	Current session results
+FLID=	Local ID string
+FCR	Capability to receive
+FPTS+	Page transfer status
+FCR=	Capability to receive
+FAA	Adaptive answer
+FBUF?	Buffer size (read only)
+FPHCTO	Phase C time out
+FPHXERR	Facsimile error value
+FBOR Phase	C data bit order