

Control Port	3497
Data Port	3498

# ipEther232

## Version 12.1

Command	Response	Description
"Open"	"ok" or "error"	Open the connection or keep it alive.
"OpenEx"	"ok" or "error"	Open the connection exclusively or keep it alive.
"Open <i>password</i> "	"ok" or "error"	Like "Open" but with password.
"OpenEx <i>password</i> "	"ok" or "error"	Like "OpenEx" but with password.
"Close"	"ok"	Close the connection.
"Mode"	"Mode 9600,8,n,1"	Get the current UART mode.
"Mode <i>9600,8,n,1</i> "	"ok" or "error"	Set the UART mode.
"TC57"	"TC57 <i>mode,fl,hl</i> "	Get the current TC57 mode. See ipEther User Guide for details.
"TC57 <i>no</i> "	"ok" or "error"	Disable TC57.
"TC57 <i>1.1</i> "	"ok" or "error"	Set the TC57 mode to Format 1.1.
"TC57 <i>1.2, fl</i> "	"ok" or "error"	Set the TC57 mode to Format 1.2.
"TC57 <i>mode, fl,hl</i> "	"ok" or "error"	Set the TC57 mode to Format 2 or 3.
"RxdTimeout"	"RxdTimeout 100"	Get the current RxD timeout.
"RxdTimeout <i>100</i> "	"ok" or "error"	Set the RxD timeout. See ipEther User Guide for details.
"CharTimeout"	"CharTimeout 10"	Get the current character distance.
"CharTimeout <i>10</i> "	"ok" or "error"	Set the character distance. (0 = no gap detection) See ipEther User Guide for details.
"NoModemSignals <i>1</i> "	"ok" or "error"	1 = Modem signals are only reported when "GetStatus" is used. The command "Control" is ignored. 0 = Modem signal changes cause an explicit status report. The command "Control" works as expected.
"GetStatus"	"T=2000 R=2000 DSR=0 CTS=0 DCD=0 RI=0"	Report remaining transmit and receive buffer sizes and current status of the modem lines.
The following commands are for firmware version 12 and above; they will not work with version 11.		
"Version"	"Version 12"	Get major firmware version (without revision).
"HalfDuplex <i>1</i> "	"ok" or "error"	Activate the half-duplex mode for two-wire RS485 connections. This will also set NoModemSignals and deactivate flow control.
"Control <i>rts=0 dtr=1</i> "	"ok" or "error"	Control RTS and DTR signals. Only changes the modem signals with "NoModemSignals 0".
"FlowRTS <i>1</i> "	"ok" or "error"	1 = Enable RTS flow control. (RTS cleared when receive buffer is almost filled and set again when the buffer is half empty.) 0 = Disable RTS flow control.
"FlowCTS <i>1</i> "	"ok" or "error"	1 = Enable CTS flow control. (No RS232 transfer when CTS is clear). 0 = Disable CTS flow control.
"FlowDTR <i>1</i> "	"ok" or "error"	1 = Enable DTR flow control. (DTR set when client connects.) 0 = Disable DTR flow control.
"FlowDSR <i>1</i> "	"ok" or "error"	1 = Enable DSR flow control. (No RS232 transfer when DSR is clear.) 0 = Disable DSR flow control.
"FlowXON <i>1</i> "	"ok" or "error"	1 = Enable XON/XOFF. 0 = Disable XON/XOFF.

**Mode:** *Baudrate,DataBits,Parity,StopBits*

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Baudrate: 2400, 4800, 9600, 19200, 38400, 57600, 115200  
DataBits: 7, 8  
Parity: n, e, o, 1, 0 (= none, even, odd, mark, space)  
StopBits: 1, 2

**TC57:** *Mode to Format, Length of the Fixed Frame, Length of Header*

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The frame formats FT 1.2, FT 2, and FT 3 have a fixed-length frame.

The variable-length frame for FT 2 and FT 3 has a fixed length-header. This header contains the fields "start character", "length", "user data", and "checksum". The user has to pick the desired format and enter appropriate values for "Fixed Frame Length" and "Header Length".

Mode: Frame Format - 1.1, 1.2, 2, 3  
FI: Length of the Fixed Frame - values margin 2 ... 255 bytes  
HI: Length of Header - values margin 2 ... 14 bytes

See IEC 60870-5-1 & IEC 60870-5-2.

