

CTM-200 SNMP Support



Model	Chameleon CTM-200 gateways
Revision:	Rev B

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Revision Control

Description	Revision	Date
Customer Release	Rev A	Aug. 23, 2011
Updated notes with SNMP error response	Rev B	Sept. 28, 2011

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I Overview

The Chameleon CTM-200 gateways support the simple network management protocol (SNMP) and listens on UDP port 161 for SNMP requests. This note describes the supported SNMP parameters and CTM-200 configuration settings.

2 Supported Parameters

SNMP Parameter	Read/Write	Mapped to	Format	Extracted from	Example
model	RO	general 1	Text String	<hard-coded>	Chameleon CTM-200
runMode	RO	general 2	Text String	cmd mode	cmd mode 2 0 0
phoneNumber	RO	general 3	Text String	cmd dir	15872261134
deviceld	RO	general 4	Text String	cmd modemid	1234567890
eid	RO	general 5	Text String	cmd esn*	3.5882E+14
swVer	RO	general 6	Text String	cmd ver	openctm_r2.0.3.2297
hwVer	RO	general 7	Text String	<hard-coded>	CSI CTM200
imei	RO	general 8	Text String	cmd esn	3.5882E+14
vcc	RO	general 9	Text String	cmd vcc	13.86V
temperature	RO	general 10	Text String	STM status	40

emailSrv	RO	general 11	Text String	cmd emailsrv	209.121.68.211
rsi	RO	wireless 1	Text String	cmd rssi	Primary: -99 dBm Secondary: -99 dBm
ipAddress	RO	wireless 2	Text String	cmd ipadr	10.142.28.37
serialPortSettings	RO	serialport 1	Text String	cmd port	cmd port 1 115200 8 N 1 2; cmd port 2 115200 8 N 1 0; cmd port 3 115200 8 N 1 0
serialFlowCtrl	RO	serialport 2	Text String	<hard-coded>	YES
input	RO	io 1	Text String	cmd input	0.00V 0; 0.00V 0; 0.00V 0; 0.00V 0; 0.00V 0
dOut	RO	io 2	Text String	cmd dout	cmd dout 1 0; cmd dout 2 0; cmd dout 3 0; cmd dout 4 0
padIp	RO	pad 1	Text String	cmd pad ip	cmd pad ip 209.121.68.211
padPort	RO	pad 2	Text String	cmd pad port	cmd pad port 5005
padFwdc	RO	pad 3	Text String	cmd pad fwdc	cmd pad fwdc 13 0
padEcho	RO	pad 4	Text String	cmd pad echo	cmd pad echo 1
padEsc	RO	pad 5	Text String	cmd pad esc	cmd pad esc +++
modbusSlaves	RO	modbus 1	Text String	cmd modbusadd	cmd modbusadd 1 209.121.68.211
gpsDate	RO	gps 1	Text String	GPS data	2011.06.28-18:12:56
gpsValidation	RO	gps 2	Text String	GPS data	A
gpsLatitude	RO	gps 3	Text String	GPS data	49.256573
gpsLongitude	RO	gps 4	Text String	GPS data	-122.996719
gpsHeading	RO	gps 5	Text String	GPS data	352.570007
gpsSpeed	RO	gps 6	Text String	GPS data	0.102889 (decimeter/s)
lan0MAC	RO	lan 1	Text String	cmd mac 0	00:10:A1:96:92:06
lan1MAC	RO	lan 2	Text String	cmd mac 1	00:10:A1:96:92:07
lan0IP	RO	lan 3	Text String	cmd lanip 0	cmd lanip 0 192.168.1.1 255.255.255.0
lan1IP	RO	lan 4	Text String	cmd lanip 1	cmd lanip 1 192.168.2.1 255.255.255.0
wlan0MAC	RO	wlan 1	Text String	ifconfig	00:15:6d:84:5e:3e
wlan0IP	RO	wlan 2	Text String	ifconfig	192.168.100.205
reboot	WO	pwr cycle 1	Text String	cmd pwrmode 2**	See note in ***

Notes:

- (*) Repeating commands (`eid, imei: cmd esn;`)
- (**) The upgrade server setting (**cmd upgradesrv**) needs to be set to include the IP address of the source of this SNMP request.
- (***) If value to be set is not Octet String '1', Wrong Value error response is sent.
If GET is requested, No Access error response is sent.
Unit only reboots if IP address sending a SET reboot is allowed and value to be set is Octet String '1'.
- For read-only parameters, if SET is requested, Read-Only error response is sent.

3 CTM-200 Configuration

To enable SNMP support on the CTM-200, configure the following commands:

```
cmd snmp 1
cmd save
cmd pwr mode 2
```

On the SNMP client software, configure the following settings:

- **community :** Chameleon
- **Host IP :** CTM-200's WAN IP, e.g. 1.2.3.4
- **MIB module:** CYPRESS-CTM200-MIB
- **object:** model, runMode, phoneNumber, etc. (See table above)

4 Technical Support

**Cypress Solutions Service
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