

Comcfg.txt Parameters

SOLUTION SHEET

SSH-0050-00 1.6 en-US ENGLISH

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1 Preface

1.1 About This Document

This document lists all parameters contained in the comcfg.txt of the Ewon Cosy 131 and Ewon Flexy.

For additional related documentation and file downloads, please visit www.ewon.biz/support.

1.2 Document history

Version	Date	Description
1.0	2018-08-28	First release.
1.1	2019-01-28	Changed: <i>EthGW</i> parameter.
1.2	2019-10-14	Added: Parameter for string tags.
1.3	2019-10-30	Changed: WirelessNet parameter
1.4	2019-12-03	Added: Security Improvement, p. 17
1.5	2020-05-06	Changed: "VCOMTempo"
1.6	2020-09-15	Changed: Changed:

1.3 Related Documents

Document	Author	Document ID
Restore an Ewon backup through eBuddy	BU Ewon	KB-0186-00

1.4 Trademark Information

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2 COM Parameters

Name	Description	Default Value	Acceptable Values	
EthIP	LAN IP address	10.0.0.53	IPv4 dotted decimal	
EthMask	LAN Subnet mask	255.255.255.0	IPv4 dotted decimal	
EthGW	Default WAN gateway If there is no active WAN connection, this parameter is the default LAN gateway.	0.0.0.0	IPv4 dotted decimal	
UseBOOTP	Type of LAN IP address	0	0	Static
			1	BootP
			2	DHCP
PPPServerIp	PPP server IP address	202.0.0.240	IPv4 dotted decimal	
PPPServerMask	PPP server IP mask	255.255.255.0	IPv4 dotted decimal	
PPPServerGW	PPP server IP gateway	0.0.0.0	IPv4 dotted decimal	
PPPClientIp	PPP Client IP address	202.0.0.1	IPv4 dotted decimal	
PPPCCompress	PPP Enable protocol compression	1	0	Disabled
			1	Enabled
PPPCIPhone1	PPP Server1 phone number	0	Phone number	
PPPCUserName1	PPP Server1 User name	[empty]	Text	
RTEnIpFwrd	Enable IP forwarding between IP interfaces	1	0	Disabled
			1	Enabled
DialInOut	PPP incoming Connection and/or PPP outgoing Connection	1	0	None
			1	Incoming only
			2	Outgoing only
			3	Incoming & Outgoing
InEqualOut	PPP Connected Client is a Gateway	0	0	Disabled
			1	Enabled
DialTO	Dial-out time out	180	Integer [seconds]	
ClIdle	Client mode idle time out before hangup	120	Integer [seconds]	
SrvIdle	Server mode idle time out before hangup	240	Integer [seconds]	
EthDns1	Ethernet DNS 1 IP address	0.0.0.0	IPv4 dotted decimal	
EthDns2	Ethernet DNS 2 IP address	0.0.0.0	IPv4 dotted decimal	
PPPSrvCompress	Enable PPP server compression	1	0	Disabled
			1	Enabled
PPPCNeedChap	Enable CHAP authentication	0	0	Disabled
			1	Enabled
PPPCIPhone2	ISP2 Server phone number	0	Phone number	
PPPCUserName2	ISP2 User name	[empty]	Text	
CallAlloc	Allocated budget	24	Integer [hours]	
CallAllocRst	Budget reset period	168	Integer [hours]	
CBEnabled	Callback	0	0	Disabled
			1	Enabled
CBDelay	Callback delay after rings	30	Integer [seconds]	
CBIdleTime	Callback mode idle time out before hangup	1200	Integer [seconds]	
CBDDnsType	Publish IP address Dynamic DNS Type	0	0	Disabled
			1	No-IP.com
			4	DynDns.org
			7	Ods.org
			8	Tzo.com
			9	EasyDns.com

Name	Description	Default Value	Acceptable Values	
			13	Dyns.cx
			15	ZoneEdit.com
CBDDnsUName	Publish IP address Dynamic DNS User Name	[empty]	Text	
CBDDnsHName	Publish IP address Dynamic DNS Host Name	[empty]	Text	
CBDDnsDName	Publish IP address Dynamic DNS Domain Name	[empty]	Text	
CBType	Callback type	0	0	Disabled
			1	Enabled
CBNbRing	Callback detection minimum number of rings	5	Integer [rings]	
CBTo	Phone number to use for callback	1	0	User request account
			1	Primary dialup
			2	Secondary dialup
RTEnTransFw	Enable transparent forwarding	0	0	Disabled
			1	Enabled
RTEnAuthRt	Authentication for transparent forwarding required	1	0	Disabled
			1	Enabled
ModDetCnt	Modem detection trial count, <i>if not detected after this number Ewon reboots</i>	4	Integer [trials]	
ModExpType	Modem expected type (software) (defines compatibility with different modems – details are listed in KB-0007)	Depends on HW configuration. 0 = no modem	-1	Automatic
			0	No modem
			2	PSTN Multitech 33k
			3	PSTN Multitech 56k
			9	PSTN Multitech 33k LS
			10	ISDN Stollman
			11	PSTN Multitech 56k LS
			12	ISDN Altec 5068S
			131	GSM-GPRS-QuadB Wavecom All Models
			132	QuadBand Siemens TC63, TC65, AC65
			133	QuadBand Siemens MC75, AC75
ModFrcType	Modem forced type (software) (defines compatibility with different modems – details are listed in KB-0007-00)	-1	-1	Automatic
			0	No modem
			#	Modem type (see ModExpType parameter)
SSAM	Server access selection mode	0	-1	Use last valid server
			0	Return to server 1
			1	Use only server 1
			2	Use only server 2
CBNbRingOH	Callback number of rings more than minimum	10	Integer [rings]	

Name	Description	Default Value	Acceptable Values	
RTDodType	Accept dial on demand Internet connection	0	0	NO ONE except
			1	ANYONE except
RTDodF1..#	Dial on demand exception range 1..# FROM	0.0.0.0	IPv4 dotted decimal	
RTDodT1..#	Dial on demand exception range 1..# TO	0.0.0.0	IPv4 dotted decimal	
MaxCallDur	Max outgoing call duration	60	Integer [minutes]	
HUNoAct	Hangup if no outgoing action after	-1	0	Immediately
			-1	After idle time [CIdle]
			Integer [minutes]	
DOErrRst	Dial out - reboot modem after x outgoing call failures	4	Integer [calls]	
DORetryInt	Dial out – delay between retries	60	Integer [minutes]	
X25Net	Not documented	0		
X25Usr	Not documented	[empty]		
X25Facil	Not documented	[empty]		
X25X121	Not documented	[empty]		
ModemInitStr	Modem Init-String – Initialization AT Commands – Modem-type dependent. (For details: see KB-0007-00)	[empty] if no modem, otherwise depends on modem type as per <i>ModExpType</i> parameter	Example PSTN AT&FE1&Q5&K3&D2&C1 Example GSM AT&FE0&D2&C1+IFC=2,2;+CSNS=4 Example ISDN AT&FE0&D&C1&K3B3	
MemOrg	Memory configuration – Storage Configuration (*) hardware dependent	1	1	See the General Reference Guide of the corresponding device
			2	
			5	
PdpApnUse	PDP context definition - Packet Data Protocol Context - <i>Must be enabled in order to use GPRS connection.</i>	0	0	Disabled
			1	Enabled
PdpApn	GPRS PDP access point name	[empty]	URL (if PdpApnUse is enabled)	
QosReqUse	GPRS Quality Of Service Profile (Requested)	0	See the General Reference Guide of the corresponding device	
QosReqPred	precedence	0		
QosReqDel	delay	0		
QosReqRel	reliability	0		
QosReqPk	peak	0		
QosReqMn	mean	0		
QosMinUse	GPRS Quality Of Service Profile (Minimum Acceptable)	0		
QosMinPred	precedence	0		
QosMinDel	delay	0		
QosMinRel	reliability	0		
QosMinPk	peak	0		
QosMinMn	mean	0		
IpsHttpP1	Primary HTTP port	80	Integer	
IpsHttpP2	Secondary HTTP port	81	Integer	
IpsFtpP	FTP port	21	Integer	
EthIpAddr2	WAN IP address	10.1.0.53	IPv4 dotted decimal	
EthIpMask2	WAN Subnet mask	255.255.255.0	IPv4 dotted decimal	
PPPAnswRing	Number of rings before modem answers	1	Integer [rings]	

Name	Description	Default Value	Acceptable Values	
PPPSrvDialInWD	Reset Ewon if no incoming connection after...	0	Integer [hours]	
			0	Disable watchdog
UseBOOTP2	WAN IP address allocation	0	0	Static
			1	BootP
			2	DHCP
VPNRedirect	Route all gateway traffic through VPN	0	0	Disabled
			1	Enabled
NatItf	Apply NAT and TF to connection (listbox)	0	0	NAT and TF disabled
			1	NAT and TF on VPN
			2	NAT and TF on WAN
			3	NAT on LAN (Plug'nRoute)
TFMaxPort	Highest transparent forwarding port	10000	Integer	
CBPubIP	Callback Publish IP address	0	0	Disabled
			1	Enabled
WANItfProt	WAN Protection level	2	1	Discard all except VPN and initiated traffic
			2	Allow all
			3	Discard all except VPN, initiated traffic and ping
WANCnx	WAN Network connection	2	0	No access
			1	Modem
			2	Ethernet
			3	ADSL
			4	WIFI
WANPubIP	WAN Publish IP address	0	0	Disabled
			1	Enabled
WANRepubInterval	WAN Re-publish interval	0	Integer [minutes]	
			0	Initial connection
WANPermCnx	WAN Maintain connection	1	0	Disabled
			1	Enabled
VPNCnxType	VPN Connection type during Internet connection:	0	0	Disabled
			1	Incoming VPN
			2	VPN to Server
VPNKeyType	VPN connection type: Connect to...:	0	0	Other Ewon
			1	VPN Server
			2	eFive* VPN Server *(or Endian)
VPNSecretKey	VPN key	#_1_//8=	Text field	
VPNSecretCert	VPN certificate	[empty]	Text field	
VPNCAcert	VPN Certificate Authority (CA)	[empty]	Text field	
VPNDiag	VPN Diagnosis level	1	0	None
			1	Low
			4	Medium
			8	High
VPNPortIn	VPN Port In	0	0	1194
			Integer	
VPNPortOut	VPN Port Out	1194	Integer	
VPNAlive	VPN 'keep alive' interval	120	Integer [seconds]	
			0	Disabled
VPNSrv1	VPN Primary server	[empty]	IPv4 dotted decimal	
VPNSrv2	VPN Secondary server	[empty]	IPv4 dotted decimal	

Name	Description	Default Value	Acceptable Values	
PPPCINeedChap2	Dial out require secure authentication (CHAP) – Server 2	0	0	Disabled
			1	Enabled
CryptMode	Encrypt sensitive data (passwords, etc.)	1	0	Disabled
			1	Enabled
VPNLocalIp	VPN local IP address	10.254.0.1	IPv4 dotted decimal	
VPNRemotelp	VPN remote IP address	10.254.0.2	IPv4 dotted decimal	
PPPCIPassword1	PPP server 1 password (ISP1)	#_1_/8= or [empty]	Text	
PPPCIPassword2	PPP server 2 password (ISP2)	#_1_/8= or [empty]	Text	
CBDDnsPass	Dynamic DNS password	#_1_/8= or [empty]	Text	
VPNCfgFile	External VPN config file (in comcfg.txt only) Syntax examples: <ul style="list-style-type: none"> + myVPNconfig.txt: appends external parameters myVPNconfig.txt: overwrites existing parameters 	[empty]	*.txt file name (free). See KB-0018-00 for more details.	
VPNP2PIpMode	VPN Ip addresses config	0	0	Automatic
			1	Manual
BootOp	Reboot request with special operation	0	0	None
			1	Modem Upgrade
			32	Remote Wizard
ResSys	Not documented	0		
DefAdmPass	DefAdmPass (in comcfg.txt only)	#_1_/8= or [empty]	Text	
EarlySerialCfg	Serial port configuration at power on and during boot time (in comcfg.txt only)	[empty]		
RouteDestIp1..3	Route 1..3 - Destination	0.0.0.0	IPv4 dotted decimal	
RouteNetMask1..3	Route 1..3 - Mask	0.0.0.0	IPv4 dotted decimal	
RouteGateway1..3	Route 1..3 - Gateway	0.0.0.0	IPv4 dotted decimal	
RouteHops1..3	Route 1..3 – Hop Counts	0	0	No hop
			1	1 hop
			2	2 hops
			3	3 hops
CfgProtoDis	Not documented	0		
ProxyEnabled	Proxy Configuration	0	0	Disabled
			1	Enabled
ProxyIdleTO	Proxy idle connection timeout	180	Integer [seconds]	
ProxyMaxSocks	Proxy maximum connections sockets	5	Integer [sockets]	
ProxyProto1..#	Proxy 1..# protocol	0	0	Disabled
			1	UDP
			2	TCP
			3	FTP
ProxySide1..#	Proxy 1..# direction	0	0	Disabled
			1	EXT to LAN
			2	LAN to EXT
ProxyPort1..#	Proxy 1..# incoming port	0	Integer max. 9 digits	

Name	Description	Default Value	Acceptable Values	
ProxySrvPort1..#	Proxy 1..# destination port	0	Integer max. 9 digits	
ProxySrvIpAddr1..#	Proxy 1..# destination IP address	0.0.0.0	IPv4 dotted decimal	
GprsMinCnxTime	Minimum GPRS connection duration	4	Integer [seconds]	
GprsCnxErrMax	Reboot GPRS modem after X connections shorter than min. GPRS conn (=GprsMinCnxTime).	5	Integer [connections]	
NoSmartArp	Not documented	0		
VPNDrvMode	VPN driver mode	0	0	TUN
			1	TAP
VPNProto	VPN Protocol	0	0	UDP
			1	TCP
WANPxyMode	WAN Proxy Mode (detected automatically when running Talk2M wizard)	0	0	No Proxy
			1	Proxy with basic authentication
			2	Proxy with NTLM authentication
			10	Proxy without authentication
WANPxyAddr	WAN Proxy Address	[empty]	IPv4 dotted decimal	
WANPxyUsr	WAN Proxy User	[empty]	Text	
WANPxyPass	WAN Proxy Password	#_1_//8=	Text	
WANPxyPort	WAN Proxy Port	8080	Integer	
GsmBand	(in comcfg.txt only)	0 (Depends on modem type – not applicable for all GPRS modem types)	0	Not specified
			1	850
			2	900
			3	1800
			4	1900
			5	850 + 1900
			6	900E + 1800
			7	900E + 1900
			10	Auto-detection
			GsmOpld	GSM operator selection (Mobile Network Code)
X	5 digit MNC			
NetName	Network name (FQDN)	[empty]	Text	
DhcpTO	DHCP time out. Applied after reboot.	10000	Integer [milliseconds]	
EthDnsAuto	DNS automatic setup via DHCP	1	0	Disabled
			1	Enabled
AutoEthSw	Not documented	0		
ProxyExtIrf	Proxy external interface (EXT)(linked to Proxy feature, ProxyProto1..#)	0	0	WAN
			1	PPP
			2	VPN
ModDispLvl	Display reception level on front panel LED	0	0	Disabled
			1	Enabled
ModemMsn	Multiple Subscriber Numbering - Phone number (ISDN only)	[empty]	Phone number	
CBDnsDbg	Debug Dynamic DNS connection	0	0	Disabled
			1	Enabled
AdslCnxType	ADSL connection type (list box 1 single option)	0	PPPoE or PPPoA	
AdslPPPMode	ADSL PPP mode	0	0	PPoE LLC
			1	PPoA VC-Mux

Name	Description	Default Value	Acceptable Values	
			2	PPoA LLC
AdslBridgeMode	ADSL Bridge mode	0	0	Not bridged
AdslUser	ADSL User name	[empty]	Text	
AdslPass	ADSL Password	#_1_//8= or [empty]	Text	
AdslVPI	ADSL VPI	8	Integer	
AdslVCI	ADSL VCI	35	Integer	
AdslCloneMac	Not documented	0		
AdslCnxTO	ADSL connection time out	180	Integer [seconds]	
CBPubEMail	Publish email destination IP address	[empty]	Email address	
T2mAccSrvAddr	Talk2M Access Server Address	talk2m_pro	URL	
UserDefData1	Not documented	[empty]		
VPNSrvAddrMode	VPN WAN address or name	0	0	Defined manually
			1	Defined by Talk2M
T2mAccountName	Talk2M Account ID	[empty]	code	
VPNPreDNS	When set to 0, it allows to force the use of the Server name instead of the IP address for the Talk2M connection. If set to 1, Talk2M Server IP Address is used except when using Internet Proxy.	1	0 and 1 Value 1 is highly advised in most cases.	
EnableChunkEncoding	Enable chunk encoding	0	0	Disabled
			1	Enabled
PPPIidleWithOut	PPP Idle time before hanging up	0	0	Check incoming
			1	Check Outgoing
FwrddToWAN	WAN IP Forwarding. Allow LAN and VPN forwarding to WAN	1	0	Disabled
			1	Enabled
VPNOptPck	Not documented	0		
KillLAN	Special mode which disables the Ewon LAN connection. Only modem connection possible on Ewon if this feature is activated.	0	0	Disabled
			1	Enabled
eBuddyAuth	eBuddy needs authentication	0	0	Disabled
			1	Enabled
VpnFltEn	VPN protection	0	0	Disabled
			1	Enabled
VpnFSa1..3	VPN protection source IP 1..3	0.0.0.0	IPv4 dotted decimal	
VpnFDaS1..3	VPN protection destination IP range start 1..3	0.0.0.0	IPv4 dotted decimal	
VpnFDaE1..3	VPN protection destination IP range end 1..3	0.0.0.0	IPv4 dotted decimal	
VpnFDp1..3	VPN protection destination port	[empty]	Integer	
PIN	Modem PIN code	#_1_//8= or [empty]	4 digit code	
WirelessNet	Wireless network preferences	Depends on modem	0	WCDMA/GSM (2G/3G)
			1	WCDMA only (3G only)
			2	GSM only (2G only)
			3	LTE only (4G only)
WizlCnxDone	COSY 1-2-3 wizard completion Flag connection part	Ex-factory = 0 Afterward = 1	0	Not completed
			1	Completed

Name	Description	Default Value	Acceptable Values	
WizT2MDone	COSY 1-2-3 wizard completion Flag Talk2M part	Ex-factory = 0 Afterward = 1	0	Not completed
			1	Completed
WizVPNDone	COSY 1-2-3 wizard completion Flag VPN part	Ex-factory = 0 Afterward = 1	0	Not completed
			1	Completed
InIOCfg	COSY 1-2-3 wizard completion - PLC Gateway configuration Starting firmware v12.3, this parameter is deprecated. See .	0	0	Disabled
			1	Enabled
Language	Language configuration	-1	-1	Not configured. Will ask for config at first login.
			0	English
			1	English
			2	French
			3	German
			4	Italian
5	Spanish			
HComCfg1	Internal Use	-	-	-
HComCfg2	Internal Use	-	-	-
HComCfg3	Internal Use	-	-	-
HComCfg4	Internal Use	-	-	-
HComCfg5	Internal Use	-	-	-
HComCfg6	Internal Use	-	-	-
HComCfg7	Internal Use	-	-	-
HComCfg8	Internal Use	-	-	-
HBoard1	Internal Use	-	-	-
HBoard2	Internal Use	-	-	-
HBoard3	Internal Use	-	-	-
HBoard4	Internal Use	-	-	-
HBoard5	Internal Use	-	-	-
HBoard6	Internal Use	-	-	-
HBoard7	Internal Use	-	-	-
HBoard8	Internal Use	-	-	-
LANWANConfig	Cosy 131 & Flexy 205Switch Configuration. The bits set indicate the WAN Ports. The bits reset indicate the LAN ports. LAN Port #1 cannot be set as a WAN port	8	8	Port 4 in WAN
			4	Port 3 in WAN
			2	Port 2 in WAN
			12	Port 4,3 in WAN
			14	Port 4,3,2 in WAN
			6	Port 3,2 in WAN
			10	Port 2,4 in WAN
0	All 4 Ports in LAN			
WifiSSID	Wifi SSID (Wifi name) of the Wifi to connect.	[empty]	Wifi SSID	
WifiIpAddr	Wifi IP address	0.0.0.0	IPv4 dotted decimal	
WifiIpMask	Wifi IP Subnet mask	0.0.0.0	IPv4 dotted decimal	
WifiUseDHCP	Wifi DHCP Settings	2	0	Static
			1	BOOTP
			2	DHCP
UseCAL	Use of Cloud Accelerated Loading. CAL is the feature that allows your web browser to download the Ewon Web static files from the Internet instead of from the Ewon.	1	0	Disabled
			1	Enabled
WifiPSK	PSK Key for WIFI connection	[empty]	Wifi PSK	

Name	Description	Default Value	Acceptable Values	
WifiSec	WIFI Security	0	0	Automatic
			1	No Protection
			2	WPA/WPA2
			3	WEP
DO1Init	Base Unit DO #1 init value	1	0	Status 0
			1	Status 1
UsbIPEnable	Enable/Disable the USB over IP	1	0	Disabled
			1	Enabled
UsbIpLogLevel	Log Level of USB IP	0	0	No log
			1	Low Level
			2	High Level
UsbIpStartPort	TCP Port used for accessing the first USB device connected to your Ewon.	6000	Port number	
UsbIpPwd	Password protection for accessing your USB device. Not supported by eCatcher.	[empty]	Password	
NAT11Irf	NAT1:1 interface	0	0	Disabled
			1	VPN
			2	WAN
NAT11InX (X = 1...10)	NAT 1:1 LAN IP for entry 1...10	0.0.0.0	IPv4 dotted decimal	
NAT11OutX (X = 1...10)	NAT 1:1 MAPPED IP for entry 1...10	0.0.0.0	IPv4 dotted decimal	
NAT11NickX (X = 1...10)	NAT 1:1 Nickname for entry 1...10	[empty]	Any name	
WifiGW	Wifi Gateway IP address	0.0.0.0	IPv4 dotted decimal	
WifiDns1	Wifi DNS1 IP address	0.0.0.0	IPv4 dotted decimal	
WifiDns2	Wifi DNS2 IP address	0.0.0.0	IPv4 dotted decimal	
WifiDnsAuto	Wifi DNS automatic setup via DHCP	1	0	Disabled
			1	Enabled
WifiNetName	Wifi network name (FQDN)	[empty]	Text	
T2MKey	Global Registration Key used when registering the Ewon on Talk2M through SD card.	[empty]	Cannot be set without SD card or USB key.	
T2MNote	Description used when registering the Ewon on Talk2M through SD card.	[empty]	Cannot be set without SD card or USB key.	
GeolocEnable	Enable/Disable the Geo-localization	1	0	Disabled
			1	Enabled
SDConfigEnable	Enable/Disable the SD card configuration.	1	0	Disabled
			1	Enabled
LANDHCPSEnable	Enable/Disable DHCP Server on LAN.	0	0	Disabled
			1	Enabled
LANDHCPSStartIP	Start IP address of the Dynamic IP address pool. This IP address must be in the range of Ewon	0.0.0.0	IPv4 dotted decimal	
LANDHCPEndIP	End IP address of the Dynamic IP address pool	0.0.0.0	IPv4 dotted decimal	
LANDHCPSLogLevel	Log level of the DHCP server (0,1 or2).	0	0, 1 or 2	
LANDHCPSDns1	Primary DNS IP address attributed to DHCP Clients. Do not set the Ewon LAN IP address since Ewon is not a DNS gateway.	0.0.0.0	IPv4 dotted decimal	

Name	Description	Default Value	Acceptable Values	
	Use a public DNS server or the corporate LAN DNS Server.			
LANDHCPDns2	Secondary DNS IP address attributed to DHCP Clients. Same as above.	0.0.0.0	IPv4 dotted decimal	
DNSREnabled	Enable DNS relay.	0	0	Disabled
			1	Enabled
BroadcastForwarder	Enable PLC Discovery.	0	0	Disabled
			1	Enabled
DHCPRT0	DHCP client retries timeout. The time interval before a DHCP request is sent again inside the interval.	1000	Integer [milliseconds]	
T2MCheckCnxMinT	Minimum time interval considered to test the Talk2M VPN connection and switch port (TCP or UDP) accordingly. This time interval is doubled after each test failure until maximum time interval is reached.	120	Integer [seconds]	
T2MCheckCnxMinT	Minimum time interval considered to test the Talk2M VPN connection and switch port (TCP or UDP) accordingly. This time interval is doubled after each test failure until maximum time interval is reached.	120	0	Deactivate the check
			120	Minimum possible value
			Integer [seconds]	Custom value
			3600	Maximum possible value
T2MCheckCnxMaxT	Maximum time interval considered to test the Talk2M VPN connection and switch port (TCP or UDP) accordingly.	3600	Integer [seconds]	
WiFiAutoscan	Automatic scan of Wi-Fi network / hotspots in order to connect to the strongest signal.	1	0	Disabled
			1	Enabled
DI1AlarmSMSMsg	DI1 SMS body. Between 1 and 134 ASCII characters	[empty]	String	
DI1AlarmSMSRecipients	DI1 SMS notification recipient list. Separated by comma (,) if multiple recipients; no "+" allowed, between 4 and 40 characters.	[empty]	String	
DI1AlarmEmailBody	DI1 email notification message body. Maximum 140 characters.	[empty]	String	
DI1AlarmEmailRecipients	DI1 email notification recipient list. Separated by comma (,) if multiple recipients.	[empty]	String	
DI1AlarmEmailSubject	DI1 email notification message subject. Maximum 44 characters.	[empty]	String	
DI2AlarmSMSMsg	DI2 SMS body. Between 1 and 134 ASCII characters	[empty]	String	
DI2AlarmSMSRecipients	DI2 SMS notification recipient list. Separated by comma (,) if multiple recipients; no "+" allowed, between 4 and 40 characters.	[empty]	String	
DI2AlarmEmailBody	DI2 email notification message body.	[empty]	String	

Name	Description	Default Value	Acceptable Values	
	Maximum 140 characters.			
DI2AlarmEmailRe- cipients	DI2 email notification recipient list. Separated by comma (,).	[empty]	String	
DI2AlarmEmailSub- ject	DI2 email notification message subject. Maximum 44 characters.	[empty]	String	
DI1Cfg	COSY 1-2-3 wizard completion Contains the DI1 configuration as a bit field	0	0	Not used
			1	Internet control
			2	VPN control
			4	SMS notification
			8	Email notification
			Values can be summed except for 1 with 2. For eg: 1+4+8 = 13 : Internet control with SMS and email notification	
DI2Cfg	COSY 1-2-3 wizard completion Contains the DI2 configuration as a bit field	0	0	Not used
			4	SMS notification
			8	Email notification
			Values can be summed. For eg: 4+8 = 12 : SMS and email notification	
WizDIDone	COSY 1-2-3 wizard completion Flag DI part	Ex-factory = 0 Afterward = 1	0	Not done
			1	Completed
WANFbckHostNa- mesToCheck	List of hosts used to check if the WAN connection is still active (for WAN fallback purpose). Separated by comma (,) with a maximum of 96 characters.	tcp://device.api.talk2m. com:443	PROTOCOL://HOST:PORT	
WANFbckMaxCnx- Retries	Number of retries used to check the WAN connection before falling back to secondary WAN interface.	3	Integer	
			1	No retry
WANFbckMaxDu- ration	Maximum time duration the secondary WAN interface will stay active before switching back the primary WAN interface.	60	Integer [minutes]	
WANFbckMinIn- terval	Minimum time interval before another WAN fallback can occur after a previous one has already been triggered.	75	Integer [minutes]	
WANFbckCnx	Defines the secondary WAN interface (in case of WAN fallback).	0	0	None
			1	Cellular
			2	Ethernet
			4	Wi-Fi
WANFbckCheck- Period	The time interval between two WAN connectivity checks on the primary WAN interface (for WAN fallback purpose).	60	Integer [seconds]	
PdpContext	3G and 4G modem advance settings			
PdpType	3G and 4G modem advance settings			
PDPAutoApnCoun- try	3G and 4G modem advance settings			
PDPAutoApnPro- vider	3G and 4G modem advance settings			
PdpAutoApnItem	3G and 4G modem advance settings			

Name	Description	Default Value	Acceptable Values	
USBConfigEnable	Enable/Disable the USB card configuration.	1	1	Enable
			0	Disable
USBEnable	Enable/Disable the USB card commissioning		1	Enable
			0	Disable
VCOMTempo	Configure the frequency/bandwidth method of the VCOM connection	1	0	Disable
			1	Enable the TCP fragmentation
			2	Enable DMA mode (Enabling it might cause reconnection issues. Use it only if you know what you do)
			3	Enable both TCP fragmentation and DMA mode
BoltCfgEnable	Enables the detected Bolt as a Wi-Fi access point.	0	0	Bolt/AWB disabled
			1	Bolt/AWB enabled
BoltCfgSSID	The name of the Wi-Fi network (SSID) generated by the Bolt.	N/A	String	
BoltCfgSecurityEnable	The security level of the Wi-Fi network generated by the Bolt	1	0	No security
			1	WPA/WPA2 security
BoltCfgPassword	Bolt Wi-Fi password (only used if the Bolt security is set on WPA/WPA2)	N/A	String	
BoltCfgMACs	List of Bolt Ethernet Mac addresses connected to the Ewon, separated by comma [,]. Maximum 3 Bolts connected	N/A	String	
BoltCfgHostnames	List of Bolt names connected to the Ewon, separated by comma [,]. Maximum 3 Bolts connected	N/A	String	
BoltCfgAccessPointIPs	List of Bolt LAN IPs addresses connected to the Ewon, separated by comma [,]. Maximum 3 Bolts connected	N/A	Integer [IP address]	
MemStrHistEnabled	Enable historical logging of string tags. Modification of this parameter may result in a complete format of the Ewon.	0	0	Disabled
			1	Enabled
MemStrHistPercentage	Percentage of the recording size used for the historical logging of string tags. Modification of this parameter may result in a complete format of the Ewon.	10	Integer (10 to 90)	

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A Security Improvement

Since firmware 13.3, the encryption of sensitive parameters in the Ewon has been highly increased.

The following parameters have a different encryption pattern depending if your Ewon is running a firmware lower or equal/higher than 13.3:

- - **VPNSecretKey**
 - **PPPCIPassword1**
 - **PPPCIPassword2**
 - **CBDDnsPass**
 - **DefAdmPass**
 - **WANPxyPass**
 - **AdslPass**
 - **PIN**
 - **WifiPSK**
 - **UsblpPwd**
 - **BoltCfgPassword**

This has an incidence if you restore a **<comcfg.txt>** file coming from an Ewon running firmware ≥ 13 that is destined to go in to an Ewon running firmware < 13 . More information in the “Restore an Ewon backup through eBuddy” document from [Related Documents, p. 3](#).

