



WM Systems LLC

WM-E1S (Standard version) - Parameter Description v2.52
v2.4.x firmware / v2.5.x firmware

Table with columns: Configuration file Parameter Name, WM-E Term Parameter Group, WM-E Term Parameter Name, Default value (recommended factory default values), Measurement unit/entry type, Comment, and Description for the Customer. Rows include parameters like eventpush_addr, eventpush_sms_text, et_client_user, and conn_dss_4g_mode.

conn_at_wmbs	CELLULAR NETWORK	Band frequency configuration	-1	list code	Band frequency configuration according to the selected cellular network access technology	<p>WMBS tab: 2G, 3G, LTE, ... access cellular network technology selection. Here you can select a dedicated network or in case of availability of fallback channel you can choose that, or there is the opportunity to choose "All available access technology"</p> <p>Here you can select a dedicated network for FOTA firmware updates or in case of availability of fallback channel you can choose that, or there is the opportunity to choose "All available access technology"</p> <p>Values:</p> <ul style="list-style-type: none"> * "leave the cellular technology on the last used technology without changing" - Value: -1 * "2G only" - Value: 12 * "3G only" - Value: 22 * "All available access technology (Default)" - Value: 25 * "LTE only (default on LTE Cat. 1, modems)" - Value: 28 * "3G to 2G (Fallback)" - Value: 29 * "LTE to 2G (Fallback)" - Value: 30 * "LTE to 3G (Fallback)" - Value: 31 <p>Note that the listed modes are not available for all modem type. The marked modes are only available if the cellular network access technology mode is supported by the current module.</p> <p>We do recommend to use the following settings for the Cat.NB / Cat.M mode: "LTE only (default on LTE Cat. 1, modems)" option, Value: 28</p> <p>You can also refine the settings and to use the following values to select IoT technology:</p> <ul style="list-style-type: none"> -28.0 (use the Cat.M1 network) -28.1 (use the NB-IoT / Narrow Band network) -28.2 (use Cat.M1 and NB-IoT technology) <p>For LTE 4G modems we offer to choose the "LTE to 2G (Fallback)" value 30 - if the fallback channel is supported on the modem or the LTE to 3G fallback (value: 31) if it is supported</p> <p>If the "all available network" option is supported by the modem and it was chosen, the modem will try to register to the last successful technology.</p>
conn_cib		Type of incoming calls when no incoming bearer is specified	0	SELECTION	Barrier type of incoming calls when no incoming bearer is specified	It is necessary for CBST and CSNS commands CICB tab. Values: 0 = voice, 2 = fax, 4 = data
conn_rings		Number of ring before accept call	3	number	Number of ring attempts	Waits for the defined number of rings before accepting the data call (CS2)
csd_password		Password for CSD call	-	password	Password for CSD call (login pass for call and SMS)	Login pass for call and SMS
sim_pin_code		PIN number (SIM card)	-	PIN code	PIN number (SIM card)	PIN code of the SIM card - ask your mobile provider
conn_at_cops		Provider selection mode (roaming)	-	SELECTION	Provider selection-mode (roaming)	Cellular network provider change parameter. Syntax in file: mode, format, operator
calendar_dst_begin		Start daylight saving	FFFF03FED7020000003C	Date/Time	Start daylight saving (summer) - DST start date/time	Start date of daylight saving (summer) in hexadecimal format
calendar_dst_end		End daylight saving (winter)	FFFF04FED70300000078	Date/Time	End daylight saving (winter) - DST start date/time	End date of daylight saving (winter) in hexadecimal format
calendar_dst_enabled		Switching daylight saving time / normal time	1	Checkbox to enable/disable	Switching daylight saving time / normal time - DST enablement	You can switch on or off the daylight saving time / normal time handle Values: 0 = false, 1 = true
calendar_dst_deviation		Offset daylight-saving-time in minutes	60	minutes	Offset daylight-saving-time in minutes (Compared to DST)	GMT offset of daylight saving time handle (in minutes)
calendar_timezone	Deviation of local time to GMT	60	minutes	Deviation of local time to GMT	GMT deviation of daylight saving time handle (in minutes)	
led1	Meaning of LED 1	1	SELECTION	Meaning of LED 1	LED tab - selecting the nr. of LED meaning in the LED selection list	
led2	Meaning of LED 2	6	SELECTION	Meaning of LED 2	LED tab - selecting the nr. of LED meaning in the LED selection list	
led3	Meaning of LED 3	4	SELECTION	Meaning of LED 3	LED tab - selecting the nr. of LED meaning in the LED selection list	
led4	Meaning of LED 4	0	SELECTION	Meaning of LED 4	LED tab - selecting the nr. of LED meaning in the LED selection list	
led5	Meaning of LED 5	20	SELECTION	Meaning of LED 5	LED tab - selecting the nr. of LED meaning in the LED selection list	
led6	Meaning of LED 6	2	SELECTION	Meaning of LED 6	LED tab - selecting the nr. of LED meaning in the LED selection list	
emeter_data_format	Date format for read out	YYMMDD	Date	IEC date format for readout (YYMMDD)	Date format / syntax for read out (YYMMDD)	
int_version	Version number of config file	-	Text	Version number of config file	*Not used	
dmset.am100.typekey	Type key of AM100 corresponding to the name plate	-	Text	Type key of AM100 corresponding to the name plate	*Not used	
smi_init	Meter interface init values	-	-	WM-E2S meter interface settings*	* Not used * Only for WM-E2S	
fw_server_baud	Configuration port settings	-	String	Configuration interface speed rate and operation mode	* Available only on WM-E2S-TNB modem	
smi_relay	Relay control	-	SELECTION	Relay control for e-meter	Values: T1, T2, T3, T4 * Only for WM-E2S CI R relay version	
snmp_nta_mode	Multi utility mode (DLMS active)	1	SELECTION	Multi utility mode (DLMS active) - Activates the E-meter LED	Values: 1= transparent mode, 2 = multi-utility mode * Transparent mode implemented only	
tm_tls_enable	Transparent mode TLS enable	1	Checkbox to enable/disable	Enable TLS encrypted communication	0= TLS disabled 1= TLS enabled	
tm_mode8n1	Data format for 8N1 for meters, that fix on 8N1	0	Checkbox to enable/disable	Data mode for emeter serial port (select 8N1 or 7E1)	0= Non (N1), 1= 7E1	
tm_cert	Transparent mode certificate bank select	0	Number	Transparent mode certificate bank selection	1=Yes, 0=no	
tm_use_crl	Transparent mode CRL usage	0	Checkbox to enable/disable	Transparent mode CRL (Certificate Revolve List) usage	1=Yes, 0=no	
tm_ca_cert	Transparent CA certificate bank select	0	Number	Transparent CA certificate bank selection	1=Yes, 0=no	
tm_baud	Meter port baud rate (for transparent mode and meter readout)	9600	Baudrate (bps)	E-meter serial port speed (during readout)	Values (in bps) can be: 300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 56100, 115200 Recommended: 9600 (bps)	
tm_verify	Transparent mode certificate verification	0	SELECTION	Transparent mode certificate verification	0=No, 1=Optional, 2=Mandatory	
tm2_port	Secondary transparent port	9002	Port number	Secondary transparent socket port	Secondary transparent port number	
tm2_baud	Secondary transparent baudrate	2418	Baudrate (bps)	Secondary transparent baudrate	Secondary transparent baudrate (speed rate in bps)	
dcd_mode	DCD mode	3	SELECTION	to configure DCD control mode	Available DCD modes: 0=No, 1=Standard, 2=Inverted	
rs485_mode	RS485 mode	0	SELECTION	RS485 wiring type	0=RS232 only, 1=2-wire RS485, 2=4-wire RS485	
dm_tls_enable	Device Manager TLS enable	0	Checkbox to enable/disable	Device Manager TLS enable	1=Yes, 0=no	
dm_server	Device Manager server IP address	-	IP address	Device Manager server IP address	Remote Device Manager server IP	
dm_port	Device Manager server port	0	Port number	Device Manager server port	Device Manager server port number	
dm_push_enable	Device Manager push enable	0	Checkbox to enable/disable	Device Manager CRL (Certification Revolve List) usage	1=Yes, 0=no	
dm_push_interval	Device Manager push interval [sec]	120	number	Device Manager push interval	DM data "push" cycle / interval value in seconds	
dm_cert	Device Manager certificate bank	0	Number	Device Manager certificate bank selection	1=Yes, 0=no	
dm_use_crl	Device Manager CRL usage	0	Checkbox to enable/disable	Device Manager CRL (Certification Revolve List) usage	1=Yes, 0=no	
dm_verify	Device Manager certification verification	0	SELECTION	Transparent mode certificate verification	0=No, 1=Optional, 2=Mandatory	
dm_ca_cert	Device Manager CA certificate bank	0	Number	Device Manager CA certificate bank selection	1=Yes, 0=no	