WM Systems LLc

WM-E2S (Standard version) - Parameter Description v2.52

v2.4.x firmware / v2.5.x firmware

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	Description for the Customer
eventpush.addr	AMM (IEC)/Transp. Mode	Event push address		Phone nr. Or IP address	Destination IP address of alarm push (SMS/FTP/TCP/UDP)	Add the notification phone number or IP address to the Event push address field in international format.
eventpush.sms_lost_text		Event Push SMS Lost Text	-	seconds	Event push notification sending will be ignored/postponed until the declared interval	Event push notification sending will be ignored/postponed until the declared interval
eventpush.sms_notify		Event Push SMS Notification	Power lost	text	In case of power outage (power loss) event, the SMS alarm notification text	Add the alarm notification text for occured power loss detection event.
eventpush.sms_return_text		Event Push SMS Return Text	Power return	text	In case of release of power outage (end of power loss) event, the SMS alarm notification text	Add the alarm notification text for occured power return detection event.
ei_client.user		EI client username	-	username (text, numbers)	EI address username	Define the EI client's username for the connection IP address
ei_client.pass		EI client password	-	password	EI address password	Define the EI client's password for the username of the connection IP address
ei_client.addr		IP address	-	IP address	AMM (EServer) IP address (ftp client IP)	Here you can define the remote server's IP address where the data will be transmitted through the wireless network
ei_client.auth_mode		EI client authentication mode	-	SELECTION	EI client authentication mode	A remote device can be connected to the modem and readout data - here you can select authentication mode Values: N – no authentication E - EI authentication - you have to define the username / password
ei_client.port		Server port	0	Port number	AMM (EServer) port (ftp client port)	Define the port number of the server IP address
ei_client.deployed		Auto register	0	Checkbox to enable/disable	Automatic registration to the address*	In case of data push send automatically or not 0 is false, 1 is true * Not used
ei_client.interval_fast		Poll interval fast (not deployed)	30	seconds	Poll interval fast (not deployed)*	Value of Poll interval fast (not deployed) * Not used
ei_client.interval_slow		Poll-interval slow (deployed)	30	seconds	Poll-interval slow (deployed)*	Value of Poll-interval slow (deployed) * Not used
ei_client.tcp_keepalive		EI client TCP keep alive	10	minutes	EI client TCP keep alive (in minutes)	Keeps the EI client connection alive for the defined time range
datapush.host		Data push host	-	ftp path/URL with credtientials	Data push address (for SMS/FTP/TCP/UDP)	FTP server address and connection parameters - as protocol, IP address as user and password. FTP server IP address - usage: datapush.host = <protocol>://<user>:<password>@<ip_address>/<directory>
datapush.iec_address		Data push IEC address	-	IP address	Data push IEC address (source meter address)	The Data push (ftp) parameters are here if you wish to use the data push service for the modem (as Data push IEC address as the source meter address and the ftp server IP address (Data Push Host)).
datapush.iec_baudrate		Data push IEC readout baudrate	-	SELECTION	Data push IEC readout baudrate	Data push IEC readout baudrate Fix values: 2400, 4800, 9600, 19200
datapush.max_retries		Data push max retries	3	number	Data push max retries (in case of failure)*	Number of retries of data push operation in case of failure *Not in use
datapush.timeout		Data push timeout	15000	milliseconds	Data push timeout	Interval of data / FTP push connection wait - it waits until the declared interval whether it was successful or not *Not in use
datapush.interval		Data push interval	86400	seconds	Data push interval	Interval of next data / FTP push connection trying - the data push will be inactive until the interval spent and then it will try again (if Data push max retries was not exceeded)
datapush.retry_delay		Data push retry delay[s]	60	seconds	Data push retry delay[s]	Data push delay between retries. Value in second.
datapush.table_mask		Data push table mask	T1	SELECTION	Data push table mask	Data push - Mask for signing tariff tables to be pushed Values: T1, T2, T3
datapush.periodic		Data push periodic	5	minutes	Data push periodic	Data push period (cycle) - interval alternative in fixed format. Fix values: 1 min, 5 min, 10 min, 15 min, 30 min, 1 hour, 1 day, off
datapush.prefix		Data push prefix	-	string	Data push prefix	Data push file name prefix (etc: WME15)
ntp.address	Network Protocol	NTP server address	-	IP address	NTP server address	NTP server IP address
ntp.port		NTP server port	-	Port number	NTP server port	NTP server port number
ntp.interval		NTP interval	600	seconds	NTP interval	NTP time interval. Value in seconds
ntp.timeout		NTP timeout	60	seconds	NTP timeout	NTP timeout. Value in seconds
conn.apn_name	APN	APN Server name	wm2m	name (text, APN allowed chars.)	APN Server name	APN Server name - ask you mobile operator (of the SIM)
conn.apn_pass		APN Password	-	password	APN Password	APN Password - if you mobile operator / APN requires
conn.auto_user		Create APN username automatically	0	Checkbox to enable/disable	Create APN username automatically	0 = off implemented, 1 = not implemented in standard FW * Not used
conn.auto_pass		Create APN password automatically	0	Checkbox to enable/disable	Create APN password automatically	0 = off implemented, 1 = not implemented in standard FW * Not used
pdp.delay	STATUS	PDP connection establishment delay [min]	0	minutes	Wait time before PDP activation*	Delay
pdp01.apn_user		PDP APN Name	-	READ ONLY	PDP APN Name	Status value
pdp01.apn_pass		PDP APN Password	-	READ ONLY	PDP APN Password	Status value
last_imei		IMEI Address	-	READ ONLY	IMEI Address	Status value
last_icc		ICC identifier	-	READ ONLY	ICC identifier	Status value
last_model		Telit module type	-	READ ONLY	Telit module type	Status value
last_revision		Telit module firmware version	-	READ ONLY	Telit module firmware version	Status value
smp.always_on	M2M	GPRS always ON	1	Checkbox to enable/disable	Connects to PDP only if it is „push", in any other case the GPRS part is inactive (for FTP push or UDP/TCP push)	Check in the field, if it was empty (if it's empty it will be always online) Values: 1 = on, 0=off value for triggering only
smp.connect_on_timer		Connection timer	0	Checkbox to enable/disable	Connection timer	Choose the Connection timer – only if you are not using the GPRS always ON option (when it is disabled) Values: 1 = on, 0=off value
smp.connect_start		Start GPRS connection	FFFFFFFFFF000000	HH:MM:SS	Start GPRS connection - if the „GPRS Always ON" parameter was set to 0, then here can be defined a date/time when it will push the data	Schedule of starting the GPRS connection / data push First part "FFFFFFFFFF" = the date Second part "000000" is the HHMMSS time format
smp.connect_interval		Additional delay-time	0	seconds	Additional delay interval before alarm push	Delay-time interval definition in case of using "push" to give some delay for build-up the connection. Will be valid only if the „GPRS Always ON" parameter was set to 0
smp.disconnect_delay		Hold-time of GPRS connection	0	seconds	After alarm push, the PDP context will be deactivated and disconnected after this defined interval.	Will be valid only if the „GPRS Always ON" parameter was set to 0
tm_server.port		Port for transparent (IEC) meter-readout	9000	Port number	Port for transparent (IEC) meter-readout	Define the Port for transparent (IEC) meter-readout. Note that must be different from the Download config and firmware port number
fw_server.port		Port for download config and firmware	9001	Port number	Port for download config and firmware	Define Port for download config and firmware. Note that must be different from Transparent IEC meter-readout port number
conn.max_retries		Number of GPRS connection attempts till module-reset	15	number	Number of GPRS connection attempts till module-reset	Number of maximum GPRS (PDP) connection attempts 'till module-reset
conn.retry_delay_rewind		Waiting time until next try	1	seconds	Waiting time until next network connection attempt*	If the PDP context activation was not successful, then it will wait until for the defined interval to the re-activation If that reached the end of the Time(s) [secs] between „GPRS connection attempts" parameter value timeout, it goes back to the list, otherwise it is not used. * not implemented
conn.encrypt_pass		Encrypt password via MD5 algorithm	0	Checkbox to enable/disable	Encrypt password via MD5 algorithm	Encrypt password via MD5 algorithm Values: 0 = false, 1 = true * not used
conn.retry_delay		Time(s) [secs] between GPRS connection attempts	15,15,300,15,15,300,15,15,3600	seconds	Time(s) [secs] between GPRS connection attempts	If the PDP context activation was not successful, it will delay the reconnection according to the listing
conn.ping_host		Ping IP-address	8.8.8.8	IP address	Ping IP-address	IPV4 address to ping (for checking the cellular connection health)
conn.ping_max_retries		Number of ping-retries	3	number	Number of retries of checking the cellular network availability	Number of retries of checking the cellular network availability
conn.ping_timeout		Ping wait-time (for reply)	15000	milliseconds	Ping wait-time (for reply)	Timeout of ping interval (for checking the cellular network availability)
conn.ping_interval		Wait-time (for next)	86400	seconds	Wait-time (for next ping)	Interval (wait time) between ping cycles, time interval until the next ping sequence occuring (for checking the cellular network availability)
conn.no_network_timeout		Timeout at GPRS login fail	30	minutes	Timeout at GPRS login fail	Timeout when GPRS (PDP) login fail accours - tolerance interval of PDP connection establishment error
smp.bos_timeout		Wait-time till module-reset [hours]	24	hours	Module restart after this interval	Module restart after this interval
smp.restart_time		Daily restart on a fix, parametrised time, HHMM	-	HH:MM	Daily restart on a fix, parametrised time, HHMM	Daily restart on a fix, parametrised time, HHMM If you attempt to define a daily restart interval for the device - add the HH:MM value of the time of the device restart. Leave it empty if you do not allow the device to restart every day.
conn.reconnect_interval	WATCHDOG	Seconds, gprs connection closed and restored after this time	0	seconds	GPRS connection closed and restored after this time	Waiting interval between PDP connection establishment, the value is also used for ping. If the ping is configured (Ping wait-time (for reply) parameter), then the defined interval / repeat time will be used for automatic reconnection after the given delay has elapsed. Here you can define that after the network drops our the modem, how long does the modem wait before trying to reconnect to the mobile network again. Ask your mobile provider about the offered settings. Note that if you set this parameter to a low value that can cause frequent network reconnections. Therefore under no circumstances should you set this value lower than what your mobile service provider recommends. (e.g. there are mobile network providers that limit the number of times a modem can log on to the network in a given time). Default value: 0
conn.dss_apn_name		APN server name for device services session	-	name (text, APN allowed chars.)	APN server name for device services session (FTP OTA)	Telit module FOTA support APN Server name - ask you mobile operator (of the SIM)
conn.dss_apn_user		APN user name for device services session	-	username (text, numbers)	APN user name for device services session (FTP OTA)	Telit module FOTA support APN Username - if you mobile operator / APN requires
conn.dss_apn_pass		APN password for device services session	-	password	APN password for device services session (FTP OTA)	Telit module FOTA support APN Password - if you mobile operator / APN requires
conn.dss_ws46		Cellular network access technology selection (LTE, 3G, 2G mode) for FOTA	25	special syntax	Cellular network access technology selection (LTE, 3G, 2G mode) for FTP OTA	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" Values: * "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 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. We do recommend to use the following settings for the Cat.NB / Cat.M modem: "LTE only (default on LTE Cat 1. modems)" option, Value: 28 You can also refine the settings and to use the following values to select IoT technology: - 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) For LTE 4G modems we offer to chose 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 If the "all available network" option is supported by the modem and it was chosen, the modem will try to register to the last succesful technology.
conn.dss_fkpota_retry		FTP OTA retry	0	number	FTP Firmware refresh (OTA) retry	Telit module FOTA support FTP firmware refresh retry numbers
conn.dss_fkpota_par		FTP OTA parameter (Server address, filename, path)		ftp path/URL with credtientials	FTP OTA parameters (FTP host, user/pass, path, filename) Like: FTP server IP address - usage: datapush.host = <protocol>://<user>:<password>@<ip_address>/<directory>	Telit module FOTA support FTP server address and connection parameters - as protocol, IP address as user and password. Leave it empty if it is not used
conn.dss_fkpota_status		FTP OTA status		READ ONLY	FTP OTA status	Telit module FOTA support Status information of the current FTP OTA status
conn.at_wmbs	CELLULAR NETWORK	Band frequency configuration	-1	list code	Band frequency configuration according to the selected cellular network access technology	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" 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" Values: * "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 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. We do recommend to use the following settings for the Cat.NB / Cat.M modem: "LTE only (default on LTE Cat 1. modems)" option, Value: 28 You can also refine the settings and to use the following values to select IoT technology: - 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) For LTE 4G modems we offer to chose 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 If the "all available network" option is supported by the modem and it was chosen, the modem will try to register to the last succesful technology.
conn.cicb		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 (CSD)
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	CALENDAR	Start daylight saving	FFFF03FF07020000003C	DateTime	Start daylight saving (summer) – DST start date/time	Start date of daylight saving (summer) in hexadecimal format
calendar.dst_end		End daylight saving (winter)	FFF0AFF070300000078	DateTime	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 davlaht-savsne-time in minutes	60	minutes	Offset davlaht-savsne-time in minutes (Comcared to DST)	GMT offset of davlaht savsne time handle (in minutes)
calendar.timezone		Deviation of local time to GMT	60	minutes	Deviation of local time to GMT	GMT deviation of davlaht savsne time handle (in minutes)
led1	STANDARD METER INTERFACE	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
xmeter.date_format		Date format for read out	YYMMDD	Date	IEC date format for readout (YYMMDD)	Date format / syntax for read out (YYMMDD)
ini.version		Version number of confie file		Text	Version number of confie 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
wm.init		Meter interface init values	-	-	WM-E25 meter interface settings*	* Not used * Only for WM-E25
fw_server.baud		Configuration port settings	-	String	Configuration interface speed rate and operation mode	* Available only or WM-E25L TNB modem
wm.relay		Relay control	1	SELECTION	Relay control for e-meter	Values: T1, T2, T3, T4 * Only for WM-E3S CI R relay version
tm.tls_enable	TRANSP / NTA	Transparent mode TLS enable	1	Checkbox to enable/disable	Enable TLS encrypted communication	0= TLS disabled 1=TLS enabled
tm.modeBN1		Data format fix BN1 for meters, that fix on BN1	0	Checkbox to enable/disable	Data mode for emeter serial port (select BN1 or 7E1)	1=yes (BN1), 0=off (7E1)
tm.cert		Transparent mode certificate bank select	0	Number	Transparent certificate bank selection	1=yes, 0=no
tm.use_crl		Transparent mode CRL usage	0	Checkbox to enable/disable	Transparent mode CRL (Certificate Revoke 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 Recommanded: 9600 (bps)
tm.verify		Transparent mode certificate verification	0	SELECTION	Transparent mode certificate verification	0=Not, 1=Optional, 2=Mandatory
tm2.port	SECONDARY TRANSPARENT	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	RS485	DCD mode	3	SELECTION	to configure DCD control mode	Available DCD modes: 0=Fix 0, 1=Fix 1, 2=Standard, 3=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	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 Revoke List) usage	1=yes, 0=no
dm.push_interval		Device Manager push intensel [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 Revoke List) usage	1=yes, 0=no
dm.verify		Device Manager certification verification	0	SELECTION	Transparent mode certificate verification	0=Not, 1=Optional, 2=Mandatory
dm.ca_cert		Device Manager CA certificate bank	0	Number	Device Manager CA certificate bank selection	1=yes, 0=no
ntp.address	NETWORK PROTOCOLS	NTP Server IP Address	-	IP address	IP Address of NTP Time synch server	Server address of NTP time synchronisation
ntp.port		NTP Server port	0	Port number	Port of NTP Time synch server	Server port nr. of NTP time synchronisation
ntp.interval		NTP server synchronisation interval (sec)	10	seconds	Time synchronisation refresh interval	Cycle of NTP time synchronisation
ntp.timeout		NTP server synchronisation timeout (sec)	10	seconds	Timeout for NTP synch attempt - after this period the NTP sync attempt will be stopped	Timeout of NTP time synchronisation