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STE2 XML description

<Root>

Information Section

<Agent>	– Read only device parameters group
<XmlVer>2.00</XmlVer>	– XML file version (Read only)
<Version>1.1.11</Version>	– Device firmware version (Read only)
<Build>3376</Build>	– Build of Device firmware version (Read only)
<BuildTime>Oct 13 2017, 13:45:02</BuildTime>	– Compile firmware time (Read only)
<UpTime>669699</UpTime>	– Total running time since last restart (Read only),
<Model>78</Model>	– Technical device type – available also over UDP Setup (5 chars) – internal information for HW group (Read only),
<ProductName>STE2</ProductName>	– Product name – internal information for HW group (Read only),
<SerialNumber>6006512771</SerialNumber>	– Serial number (Read only),
<EthMAC>00:0A:59:04:7D:AE</EthMAC>	– Unique device MAC address for ethernet interface (Read only),
<WifiApMac>00:0A:59:04:7D:AF</WifiApMac>	– Unique device MAC address for WiFi interface (Read only),
<WifiStaMac>00:0A:59:04:7D:B1</WifiStaMac>	– Unique device MAC address for WiFi AP interface (Read only for future use),
</Agent>	
<Cmd/>	

Configuration and Services Section

<System>	
<syslog_ip>0.0.0.0</syslog_ip>	– IP Address remote syslog server,
<upgrade_server>http://new.hwg.cz/download/fw/version/ste2.js</upgrade_server>	– Fully URL for information about latest firmware version - for remote upgrade (Read only),
</System>	
<dhcp>1</dhcp>	– 0/1 – Enable DHCP, when enabled show assigned IP values,
<sys_unit>1</sys_unit>	
<devicename>HWg Online demo</devicename>	– Device name – User configurable, Identical with <SysName> value, here read only (64 chars) (Here read only, change in <Network> part of XML),
<hostname>HWgOnlinedemo</hostname>	– Hostname – User configurable, for using in corporate networks
<ip_address>10.0.0.15</ip_address>	– IP address of the device (Read only when DHCP enabled),
<ip_mask>255.255.255.0</ip_mask>	– Value of the IP subnet mask (Read only when DHCP enabled),
<ip_gateway>10.0.0.1</ip_gateway>	– IP address of the Gatteway (Read only when DHCP enabled),
<dns1>10.0.0.1</dns1>	– Primary DNS server (you have to set DNS server as IP address) (Read only when DHCP enabled),
<dns2>10.38.0.4</dns2>	– Secondary DNS server (Read only when DHCP enabled),
<porthttp>80</porthttp>	– Internal device WEB server port
<username>xxx</username>	– username for accessing to the webinterface of devices
<password>xx</password>	– password for accessing to the webinterface of devices

<www_info_text>STE2: For more information try www.HW-group.com</www_info_text>	– User definable contact message, HTML code support (max 254 chars),
<rest_period>0</rest_period>	
<demomode>1</demomode>	– 0/1 – Enable Demo mode, when are disabled all forms elements,
<DemoPass/>	– password for enable/disable Demo mode
<DemoRePass/>	– repassword for enable/disable Demo mode
<Snmp>	– MIB II settings
<sys_name>STE2</sys_name>	– MIB's database name (64 chars) Identical with item <DeviceName>, here R/W
<sys_contact>STE2: For more information try http://www.HW-group.com</sys_contact>	– MIB's administrator e-mail (64 chars)
<sys_location/>	– MIB's system database placement (64 chars)
<snmp_port>161</snmp_port>	– SNMP pooling port settings
<snmp_access id="1">	– SNMP access settigs
<comm>public</comm>	– Community name (32 chars)
<enable>1</enable>	– Enable / Disable comunity (0/1)
<read>1</read>	– Read access (0/1)
<write>1</write>	– Write access (0/1)
</snmp_access>	
<snmp_access id="2">	
<comm>private</comm>	
<enable>1</enable>	
<read>1</read>	
<write>1</write>	
</snmp_access>	
</Snmp>	
<Smtp>	– E-mail settings
<smtp_server>some.smtp.server</smtp_server>	– DNS addres or IP address of remote SMTP server (40 chars)
<smtp_source_addr>proyectos@arc.com.co</smtp_source_addr>	– Email address of sender (40 chars)
<smtp_dest_addr>proyectos@arc.com.co</smtp_dest_addr>	– Email destination address (40 chars)
<smtp_copy_addr/>	– Email destination copy address (40 chars)
<smtp_port>25</smtp_port>	– Port for communication with remote SMTP server
<smtp_subject>subject</smtp_subject>	– Subject of Email message (50 chars)
<smtp_username/>	– SMTP autentification Login name (40 chars)
<smtp_password/>	– SMTP autentification Password (20 chars)
<smtp_ssl>0</smtp_ssl>	– SMTP TLS server Autentisation (0 = Basic, 1 = TLS)
<smtp_auth>0</smtp_auth>	– SMTP server Autentisation (0 = not required, 1 = required)
<smtp_importance>0</smtp_importance>	– E-mail Important (0 = not required, 1 = required)
</Smtp>	
<sms>	– SMS settings
<enable>0</enable>	– Enable/disable SMS-GW support (1/0)
<address/>	– DNS addres or IP address of remote HWg-SMS-GW (40 chars)
<port>80</port>	– TCP port of remote HWg-SMS-GW (40 chars)
<sms_username/>	– Username for autorization of remote HWg-SMS-GW (40 chars)
<sms_password/>	– Password for autorization of remote HWg-SMS-GW (40 chars)

<ring>0</ring>	– Enable Ring alert (0/1)
<recp1/>	– SMS1 destination Number
<recp2/>	– SMS2 destination Number
</sms>	
<Sntp>	– Time settings
<sntp_period>1</sntp_period>	– Time period for automatic time synchronizations (0-Disabled, 1 - 1hour, 24 - 24hour)
<sntp_timezone>1</sntp_timezone>	– Hours of timezone shift
<sntp_timezone_min>0</sntp_timezone_min>	– Minuts of timezone shift (0-0minuts, 15-15minuts, 30- 30 minuts, 45 -45 minuts)
<sntp_summertime>1</sntp_summertime>	– Enable/disable summertime support (1/0)
<sntp_server>europe.pool.ntp.org</sntp_server>	– DNS addres or IP address of SNTP server (time server) (40 chars)
<sntp_dst_zone>0</sntp_dst_zone>	– Sumertime zone (0 - Central European, 1 - United state, 2 - Australia Eastern)
<Time>10:11:06</Time>	– Current time
<Date>06.02.2018</Date>	– Current date
</Sntp>	

Input and Sensor Section

<sensor id="2594">	– Entry identification, ID address of the sensor (Read only)
<Email>0</Email>	– E-mail alarm enable 0 = don't send, 1 = send if value out of SafeRange
<SenId>26220a570520086c</SenId>	– Full 1-Wire ID address of the sensor (Read only), 1-Wire Sensor ID is unique
<SenName>Sensor 2594</SenName>	– Defined name of the sensor (text string, 15 chars)
<SafeRangeLow>30.0</SafeRangeLow>	– SafeRange minimal limit
<SafeRangeHi>80.0</SafeRangeHi>	– SafeRange maximal limit
<Hyst>10.0</Hyst>	– Hysteresis (non sensitivity range) value
<Unit>4</Unit>	– Unit of send value (1 - temperature, 4 - Humidity)
<Exp>0</Exp>	– Exponent of send value
<ap_delta>5.0</ap_delta>	– AutoPush is a function allowing sending of measured data in case of value increase/decrease larger than AutoPush delta parameter.
<SMS>0</SMS>	– SMS alarm enable 0 = don't send, 1 = send if value out of SafeRange
</sensor>	
<sensor id="3594">	
<Email>0</Email>	
<SenId>280a0e570520081b</SenId>	
<SenName>Sensor 3594</SenName>	
<SafeRangeLow>10.0</SafeRangeLow>	
<SafeRangeHi>40.0</SafeRangeHi>	
<Hyst>1.0</Hyst>	
<Unit>1</Unit>	
<Exp>0</Exp>	
<ap_delta>5.0</ap_delta>	

<SMS>0</SMS>	
</sensor>	
<input id="1">	– Binary dry contact inputs (next only “Binary input”)
<name>Input 1</name>	– Defined name of the input (text string, 20 chars)
<Email>1</Email>	– E-mail alarm enable 0 = don't send, 1 = send if value out of SafeRange
<cfg_alarm>1</cfg_alarm>	– Defined Alarm state for inputs (0 - disabled, state Alarm will never happen, 1 - Alarm when inputs is closed, 2 - Alarm when inputs is opened)
<state0_name>Open</state0_name>	– User defined name for state logical 0 (opened)
<state1_name>Closed</state1_name>	– User defined name for state logical 1 (closed)
<ap_delta>0</ap_delta>	– AutoPush is a function allowing sending of measured data in case of value increase/decrease larger than AutoPush delta parameter.
<SMS>0</SMS>	– SMS alarm enable 0 = don't send, 1 = send if value out of SafeRange
</input>	
<input id="2">	
<name>Input 2</name>	
<Email>1</Email>	
<cfg_alarm>1</cfg_alarm>	
<state0_name>Open</state0_name>	
<state1_name>Closed</state1_name>	
<ap_delta>0</ap_delta>	
<SMS>0</SMS>	
</input>	

WiFi and Portal Section

<Wifi>	– WiFi settings
<wifi_enable>1</wifi_enable>	– Enable/Dislable WiFi
<wifi_ssid/>	– SSID WiFi networks
<wifi_password/>	– Password for autentification to the WiFi networks
<wifi_bssid/>	– BSSID Connected WiFi networks (MAC address connected WiFi AP)
<wifi_serial_tunel>0</wifi_serial_tunel>	– Enable/Disable seriál tunel over WiFi (only for debug)
<wifi_mode>0</wifi_mode>	– WiFi mode (0 - Client, 1-AP) For future use
<wifi_baud>1843200</wifi_baud>	– Only for producer using
<console_baud>115200</console_baud>	– Only for producer using
<wifi_debug_mux>0</wifi_debug_mux>	– Only for producer using
<upgrade_enable>1</upgrade_enable>	– Only for producer using
<wifi_dhcp>1</wifi_dhcp>	– Enable/Dislable DNCP client for WiFi
<wifi_ip_address>192.168.1.91</wifi_ip_address>	– WiFi IP address of the device (Read only when WiFi DHCP enabled)
<wifi_ip_mask>255.255.255.0</wifi_ip_mask>	– Value of the WiFi IP subnet mask (Read only when WiFi DHCP enabled)
<wifi_ip_gateway>192.168.1.1</wifi_ip_gateway>	– WiFi IP address of the Gatteway (Read only when WiFi DHCP enabled)

`<wifi_dns1>192.168.1.1</wifi_dns1>`	– WiFi Primary DNS server (you have to set DNS server as IP address) (Read only when WiFi DHCP enabled)
`<wifi_dns2>0.0.0.0</wifi_dns2>`	– WiFi Secondary DNS server (Read only when WiFi DHCP enabled)
`</Wifi>`	
`<Portal>`	– Portal (Sensdesk) settings
`<PushEnable>1</PushEnable>`	– Enabled or disabled the portal function
`<ServerAddress>http://sensdesk.com/portal.php</ServerAddress>`	– Full URL of the remote server
`<PortalPort>80</PortalPort>`	– Portal listening port
`<portal_user>1 2tfwjg==</portal_user>`	– Username assigns the device to a user account. Provided by a portal administrator
`<portal_pass>1 2tfwjg==</portal_pass>`	– Provided by a portal administrator together with a username
`<PushPeriod>900</PushPeriod>`	– Period of sending the data to a remote server. This value is being set by a portal.
`<LogPeriod>300</LogPeriod>`	– Period of loging the data for Push. This value is being set by a portal.
`<APLimit>10</APLimit>`	– Number of maximal Autopush messages during PushPeriod. This value is being set by a portal.
`<AutoPush>0</AutoPush>`	– Enabled or disabled the AutoPush function
`</Portal>`	

Calibration section

`<Calibration>`	– Calibration (shift of value) settings
`<Enable>0</Enable>`	– Enabled or disabled the calibration function
`<Entry id="1">`	
`<SenId/>`	– Full 1-Wire ID address of the sensor
`<Offset>0.0000</Offset>`	– Sensors calibration shift value (Value = Raw sensor value + Calib)
`</Entry>`	
`</Entry>`	
`</Calibration>`	
`</Root>`	