

## WEB-PLC V8.9.10 - Known Bugs

### Component: WEB-PLC - Editor (6 matches)

Ticket	Summary	Description	Workaround
#1096	Diagrams with many Elements may trigger (500 or 503 http errors)	When a Diagram becomes bigger than the devices webserver size limitation, saving it fails with a 500 or 503 http error.	
#1170	Negate functionality does not work with Constant Units.	Negating a Constant Unit output has no effect, this can also be observed with the liveView feature.	
#1171	Unit State Machine supports only 9 input ports.	The State Machine unit should support up to 11 (Cond0..Cond4, Next0..Next4 and Sel) input ports, but currently if more than 9 input ports are used, the diagram cannot be saved. The error message "Number of out ports out of bounds" will be shown.	
#1316	Modbus TCP Client: No more requests after Modbus exception	If the Modbus TCP Server returns a Modbus exception (e.g. illegal data address) on a request from the Client, the Client will not send any more requests to this during the current cycle. In the next cycle it will start with the very first request. If the Client for example tries to request an illegal data address, the Server will always return an exception and further requests will never be sent.	
#1354	Cannot edit after clearing or loading diagram while element selected	If the diagram is cleared or loaded while any element is selected, the diagram cannot be edited afterwards.	Reload editor website
#1401	Internet Explorer scrolling jumps to top when diagram clicked	The scrolling of the WEB-PLC Editor jumps to the top when an element or empty space in the diagram is clicked. Internet Explorer 11.0.9600.18314.	

### Component: WEB-PLC - General (18 matches)

Ticket	Summary	Description	Workaround
#708	Show OpenVPN information on portal even if connection	Information on the OpenVPN connection should be shown on the com.tom PORTAL even if controlling the OpenVPN connection through the portal is not allowed.	

	cannot be controlled through portal		
<b>#908</b>	Empty configuration packages are invalid	If you export the configuration of the WEB-PLC to a CUP file, but do not select any group of configurations, the generated CUP file is invalid.	
<b>#1067</b>	Cannot receive short messages from self	The WEB-PLC cannot receive short messages that it has sent itself. These messages may also block other messages. This problem may be limited to certain networks.	
<b>#1068</b>	Cannot receive multi-line short messages	The WEB-PLC cannot process received multi-line short messages. There are two special cases: If the second line contains only the word OK or the second line is empty and the third line contains only the word OK, only the first line will be processed.	
<b>#1125</b>	Modbus RTU Slave: Bytes swapped when registers written by Master	When registers are written by the Modbus RTU Master, the two bytes of each register will be swapped.	
<b>#1135</b>	No reboot after update on SC1x8	On com.toms based on the SC1x8 processor, the device may not automatically reboot after an update package has been applied.	
<b>#1162</b>	com.tom BASIC 11 and RADIO-UMTS 11 Analog Out ports do not generate right Voltage Values.	The two Analog Out ports of the com.tom BASIC 11 and com.tom RADIO-UMTS 11 controlled through the EXT10 extension board don't deliver the values assigned to them but their max value (10,4V).	
<b>#1163</b>	IEC 60870-5-104: Set Cyclic Transmission Time of Integrated Totals to 0	Set the Cyclic Transmission Time of Integrated Totals (Type 15) and Integrated Totals with Time Tag (Type 37) to 0, because the library no longer accepts it and crashes the device.	Manually set the Cyclic Transmission Time of Integrated Totals (Type 15) and Integrated Totals with Time Tag (Type 37) to 0 before updating to 8.9.6.
<b>#1172</b>	Unit State Machine Help lists wrong fixed Datatypes	The Help entry for the State Machine Unit list the Sel and Next* input ports dataType as 32-bit unsigned integer, but is 32-bit signed integer.	
<b>#1189</b>	Update package and log file deleted on error	The update launcher deletes the log file and the update package file in case of an error during installation of the update package. The log file should not be deleted. The update package should not be deleted, if the update was triggered through the com.tom's reset button.	
<b>#1191</b>	Multiple instances of the same TimeSwitch do not work	If a diagram uses multiple instances of the same Time Switch Unit (for example "TestSwitch1") only the first one will trigger accordingly to the predefined schedule, all other Units will always output "0".	Use only one instance of each TimeSwitch in the diagram.
<b>#1215</b>	Portal: No valid point state for points with trigger mode 5 (domain trigger)	If a data point has the domain trigger mode (5) configured on the portal, the WEB-PLC will transmit a zero value (quality invalid, timestamp 1970-01-01 00:00:00) to the portal when the corresponding domain triggers.	

#1256	IEC 60870-5-104 client can't export configuration.	The IEC 60870-5-104 client export function produces update files without all the necessary configuration files. Updates Packages created with the IEC 60870-5-104 client checkbox selected won't export the current device configuration and will not affect the configuration of another device if imported.	
#1323	Update packages with IEC 60870-5-104 Server configuration exported prior to version 8.9.6 cannot be applied	Update packages that include an IEC 60870-5-104 Server configuration and that have been exported prior to version 8.9.6 cannot be applied.	
#1335	Wrong values from Pt1000 and Pt500 temperature sensors	The driver for the local I/Os of the com.tom BASIC 11 and RADIO-UMTS 11 delivers wrong data for high temperature values of Pt1000 or Pt500 sensors.	
#1389	SNTP client hangs on receive timeout on SC1x8 based com.toms	On SC1x8 processor based com.toms the SNTP client will hang forever - and thus never update the system time - if receiving a reply from an NTP server times out once.	
#1390	Reboot when no SNTP server can be reached on SC1x3 based com.toms	On SC1x3 processor based com.toms, the device will reboot after none of the SNTP servers could be reached.  Please note that the firmware will also try to query SNTP servers during an update. Since other components like the cellular modem driver are not running during an update, the update itself may cause that the servers cannot be reach and the firmware may crash during the update - leaving the com.tom device in an inconsistant state.	Deactivate SNTP client especially during updates
#1402	IEC 60870-5-104 Server: "Transmission cause false" after Counter interrogation command	If the IEC 60870-5-104 Server has the types "15 Integrated Totals" and "37 Integrated totals with time tag" and receives a "101 = Counter interrogation command" with "Qualifier of interrogation" = 5 (General counter interrogation), it answers with Cause of transmission 0. Additionally the type 37 is transmitted as type 15.	

### Component: WEB-PLC - Run Time System (12 matches)

Ticket	Summary	Description	Workaround
#1169	Signal limiter unit outputs a 32-bit unsigned integer when all inputs are 8-bit unsigned integer.	The output port of the signal limiter unit has data type 32-bit unsigned integer if all input ports have a data type of 8-bit unsigned integer. The unit should adapt its port accordingly to its inputs.	
#1183	Teridian E-Meter driver: Power Factor	The Teridian E Meter driver interprets the Power Factor values (L1, L2, L3 and sum) as unsigned values although they are in fact signed values.	

	interpreted as unsigned		
<b>#1202</b>	Retentive variables not invalidated on configuration change	When the configuration of the variables changes, the retained values of retentive variables are not invalidated. All retentive variables should be set to zero.	
<b>#1239</b>	Modbus Slave does not reserve the COM port.	The Modbus Slave does not make use of the sharing mechanism of the COM port, leading to errors in other components of the WEB-PLC that use the COM port.	
<b>#1250</b>	Modbus RTU Slave: RS485 mode and RS232 mode without flow control not working	The Modbus Slave driver does not work in RS485 RTU mode and in RS232 mode without flow control.	
<b>#1262</b>	Modbus Slave: Error when accessing single elements of register arrays	If you have defined an array (input or output) of registers which is also represented as an array of 16-bit values in the WEB-PLC, accessing single elements (except the first one) through the Modbus results in wrong data.	
<b>#1277</b>	Diagram messed up after change to I/O configuration when diagram had been converted from subset I/O configuration	Ticket <b>#1034</b> introduced the ability to run diagrams that were build against a subset of the current I/O configuration. However when the I/O configuration is changed afterwards, the diagram may become messed up.	<ul style="list-style-type: none"> <li>• Program the update package with the diagram</li> <li>• Load the editor</li> <li>• Save the diagram</li> <li>• Edit the configuration, e.g. Modbus</li> <li>• Restart the device</li> <li>• The diagram's inputs and outputs are correct</li> </ul>
<b>#1289</b>	Digital outputs on com.tom M-BUS cannot switch faster than once every second	The digital outputs of com.tom M-BUS devices (EXT03) cannot switch faster than once every second. If you try to switch them faster than this, they will not switch at all. If you try to switch them only slightly slower they may switch or not.	
<b>#1320</b>	Cannot handle certain old Modbus configurations	The Modbus Master/Client driver cannot handle certain configurations from before version 5.04. It is necessary to convert and start the diagram. Back then the data type of a value could not be configured. The current Modbus driver can only handle these old configurations if the implicit data type of all values is 32-bit signed integer.	
<b>#1355</b>	IEC 60870-5-104 Client: Fatal error with at least two devices and one without	Configuring the IEC 60870-5-104 Client with at least two devices and one device without values leads to a fatal error shown in Event-Log "Could not set IEC 60870-5-104 client configuration".	

	values	
<b>#1357</b>	IEC 60870-5-104 Client: Type 47, 51, 60, 64 are not sent	The types 47, 51, 60 and 64 are not sent, even if configured in the diagram with changing val and timestamp.
<b>#1386</b>	IEC 60870-5-104 Client: Output types with dates have seconds set to 0	If the client sends commands/outputs with dates to another device, the seconds always show 0.

### Component: WEB-PLC - Settings Website (25 matches)

Ticket	Summary	Description	Workaround
<b>#425</b>	Duplicate MAC and IP addresses not checked in DHCP server settings	The DHCP server settings form does not check that no IP or MAC address is used twice.	
<b>#427</b>	Duplicate ports not checked in NAT settings	The NAT settings form does not check that no external port is used twice.	
<b>#510</b>	Gateway only valid for Ethernet (0) interface	The gateway IP address that can be configured through the network settings form is only valid for the Ethernet (0) interface.	
<b>#826</b>	IEC 61850 configuration form may store inconsistent configuration	The configuration form of the IEC 61850 interface may store an inconsistent configuration. If the upload of the SCL file fails, the interface will not show an error message and still store other parts of the configuration. The inconsistent configuration will prevent the IEC 61850 driver to start.	
<b>#905</b>	Messages: Umlauts in message text lead to a 500 server error	Umlauts in message text lead to a 500 server error, after clicking the OK button.	
<b>#928</b>	No progress indication during file upload on SC1x8	On com.toms based on the SC1x8 processor no progress is indicated while uploading files through the local website.	
<b>#1053</b>	Dialogs have fields marked erroneous initially	When input fields in a dialog are marked red due to illegal input values and the dialog is cancelled, the next time the same dialog will be opened the fields will still be marked red although the illegal values are not present any more.	
<b>#1197</b>	IEC 61850: Optionally periodically create connection status entries in the event log.	Entering a non zero value into the "Check client to servers connection status" field of the IEC 61850 settings tab should trigger periodic entries of connection status in the event log if the client role is active.	None.
<b>#1231</b>	Settings website section Variables	The Dialog for creating or altering variables on the Settings website section Variables allows creation of a variable with an empty name. This field is used	

	allows creation of a variable with an empty name	for the description on the PORTAL and this description may be empty. But using this Variable with no name in the Editor is not nice.	
<b>#1253</b>	IEC 60870-5-104 Server: Cyclic Transmission Time of some types leads to fatal error	It is possible to configure a cyclic transmission time for IEC 60870-5-104 Server types 1, 3, 5, 7, 30, 31, 33, 34 and 36 which leads to a fatal error "Run Time System: Fatal error: IEC 60870-5-104 server driver: Could not set IEC 60870-5-104 server configuration. LibErr = -2505, libErrVal = -2527"	
<b>#1272</b>	PROFINET IO Device: 64-bit floating point data type configurable although not supported	The PROFINET IO Device configuration website allows 64-bit floating point values although this is not supported. The fatal error message "Data type out of bounds" will appear in the event log after the configuration has been saved and the device has been rebooted. A factory reset is required.	Factory reset
<b>#1282</b>	I/O references should be ignored in receive message templates	It is not possible to add I/O references to receive messages templates through the menu. However it is possible to manually write a reference to the template. This reference should be ignored. It should be treated as plain text. Instead the reference is evaluated and inputs and outputs can be directly modified through receive messages.	
<b>#1287</b>	Show Modbus Master RTU address constraints	The Modbus Master RTU does not show address constraints when adding or editing a device. Also the constraints are not listed in the help.	
<b>#1294</b>	Modbus Master: Check of maximum values on edit value	The check of the maximum allowed values including scalar and array values does not show an error message, when a value is edited and it does not change from input to output or vice versa.	
<b>#1298</b>	Modbus Slave: Do not open Add dialog if maximum elements are reached	If the maximum of normal values or maximum of array values is reached and the button add is clicked, the correct error message is shown, but the dialog is still opened.	
<b>#1300</b>	Modbus Slave: Cannot save RTU settings if TCP settings are wrong	Cannot save RTU settings if TCP settings are wrong, although these settings are mutually exclusive.	
<b>#1308</b>	Modbus: Do not allow duplicate names of values	Modbus Master and Slave allow duplicate names of values. The Modbus Master must not allow duplicate names of values within one device. The Modbus Slave must not allow duplicate names.	
<b>#1313</b>	PROFINET IO Device: Default device address should be 1	For PROFINET IO Device the default device address is 0, although this is not a valid device address. It should be changed to 1.	
<b>#1321</b>	Modbus TCP Server: Fatal error if keep-alive timeout <10 or >32767	If a keep-alive timeout of less than 10 seconds or more than 32767 seconds is configured for the Modbus TCP Server, the device will show a fatal error ("Run Time System: Fatal error: Modbus Slave driver: Could not initialise TCP library (-5, 222)"). A factory reset will be required.	

<b>#1327</b>	Cannot send percentage sign in messages	It is not possible to include a percentage sign in a send message template, because it is interpreted as the start of a reference.
<b>#1344</b>	IEC 60870-5-104 Server: Edit value does not recalculate sum of array elements	The Edit value dialog does not recalculate sum of array elements. If the maximum is reached by adding values and then one value is edited and the range (array elements) is reduced, it is still not possible to add new values.
<b>#1347</b>	IEC 60870-5-104 Server/Client: Duplicate names are allowed	IEC 60870-5-104 Server/Client settings website should not allow Duplicate names.
<b>#1348</b>	Help does not work when other site opened in help window	When the help button is clicked on the WEB-PLC's website, a new window/tab is opened for the online help website. If one of the other websites is opened in this window/tab, the help button will not work anymore.
<b>#1352</b>	IEC 60870-5-104 Client: Reload does not hide an error message	If an error message is shown and then the button Reload is clicked, the error message stays.
<b>#1396</b>	CODESYS Network Variables: Missing comma after the name of the list	There is a comma missing after the name of the list, if the list has a name. The "Unnamed list" has a comma.