

## com.tom CODESYS V18.1.8 - Known Bugs



## Component: Brandlabel (1 match)

Ticket	Summary	Description	Workaround
#2185	CODESYS String values quality and timestamp are not copied correctly.	If a string value has a size that can be divided by four its quality and timestamp is not processed corectly.	

## Component: Editor (4 matches)

Ticket	Summary	Description	Workaround
#2114	Editor shows changed Time Switch configuration before it is active	To accept changes to the Time Switches configuration the device must be rebooted. However the editor provides the changed Time Switches configuration in its menu before the device has been rebooted	
#2117	Line break in duty cycle bar	Duty cycle bar icon and percentage status should be shown in one line.	
#2159	CODESYS status LED indicates the Config Application State.	The CODESYS run state LED indicates the state of the Config Application. The Help website should document this.	
#2302	I/O mapping Dialog missing input interfaces	The I/O mapping dialog is created based on the number of output interfaces. Unequal number of input and output interfaces may lead to Javascript errors and missing I/O values.	

## Component: General (30 matches)

Ticket	Summary	Description	Workaround
#1745	Portal communication fails if nearly the maximum of I/Os and variables have been defined (step 1)	If a lot of I/Os and variables are defined (near to the maximum), data cannot be exchanged with the portal. Synchronisation of the node structure works, but when the device is started the next time, the CPU is 100 % busy and the device reboots after some time.	

Ticket	Summary	Description	Workaround
#1746	Unwanted scrolling in Google Chrome	If there's a long list of configuration parameters in the WEB-PLC configuration website (e.g. Modbus configuration), the website will scroll automatically on the selected element while clicking on it. Because of this it's not possible to edit a parameter by double click. This behaviour only happens in Google Chrome.	Use Mozilla Firefox
#1899	WLAN: Signal strength icon always shows no bars	The icon that indicates the signal strength of the cellular modem always shows 0 of 4 bars. Also when disconnected the RSSI is indicated as 0 dBmm, which is very good it should reflect that no connection exists.	
#1925	DHCP Server does not work for WLAN interface	The following error is generated "Network interface not configured" when the DHCP Server uses the WLAN as interface.	
#1952	DHCP configuration applied prematurely	If the DHCP option is enabled or disabled for one of the Ethernet interfaces through the settings website, the new configuration may be applied before the reboot of the device, if an Ethernet cable is plugged.	
#1983	Modbus RTU Master interval violation at start-up when WLAN is active on SC1x5	On SC1x5 processor based targets the Modbus RTU Master driver may violate its interval ("Modbus driver: The interval has been violated") at start-up if WLAN is active.	
#2035	Update: Packages with empty files cannot be applied	If a update package contains an empty file, it cannot be applied. This may happen for example if you export the OpenVPN configuration with an empty configuration file.	
#2084	IP configuration password not changed by configuration update package	When a configuration package is applied that contains login information, the password for the IP configuration through the com.tom IP tool (or the @CHIPTOOL) is not changed.	
#2125	OPC UA Server: Change of array lengths not detected by PLC	If an OPC UA server value's array length is changed the PLC does not detect it. This can lead to a misconfigured programm to run.	
#2130	IEC 61850: SCL upload fails if the filename is the same as the previous SCL file	SCL upload fails if the filename is the same as the previous SCL file.	
#2132	Update packages containing WLAN configuration cannot be applied	If a update package contains the WLAN configuration, it cannot be applied.	

Ticket	Summary	Description	Workaround
#2133	IEC 61850: Timestamp is not transmitted if the value is 0	IEC 61850 transmits the timestamp value only if the value has also changed, because the initial value is 0 no timestamp is transmitted until the value changes.	
#2144	Devices without a second ethernet interface cannot store their network configuration	The network configuration cannot be saved if the device does not support a second ethernet interface. An error message is shown but no field is marked as false.	The IP configuration can be changed via the com.tom IP tool.
#2145	M-Bus: Cannot scan	The Scan functionality of the M-Bus driver is not working. After executing a scan the following error message is generated "Unknown method!".	
#2146	Long running CODESYS Web-visu leads to unspecified errors	If a web-visu is active CODESYS "forgets" to close files that are polled for changes usually the main 'htm' file. After some time depends on the number of clients and the refresh rate there are no more system resources left which leads to unspecified errors.	
#2157	M-Bus: Correct German translation	The up/down translation in German is wrong.	
#2172	Event log messages during connection establishment don't pass to portal	The event log messages which occur during connection establishment don't pass to portal's event-log's downloadable csv file.	
#2175	IEC 60870-5-104 Server: Pulse Commands Lead to a System crash	Short or Long pulse commands lead to a System crash.	
#2213	Opening help topic in new window does not work in Chrome	When opening a new window for the help system in Google Chrome the requested topic is not shown. If the window is already open, the requested topic is shown.	
#2221	Messages: Variable references might be assigned to the wrong variable	<p>This can happen if the name of one variable is the first part of another's name and it is positioned after the mentioned variable.</p> <p>For example:</p> <p style="padding-left: 40px;">idx: 0 name: uint8Max idx: 1 name: uint8</p> <p>If a reference is created to the variable "uint8", it will be assigned to "uint8Max".</p>	
#2241	IEC 61850 server/client: Crash when not supported data types are used.	If the IEC 61850 datatypes "VisString32, VisString64, VisString129, ObjRef, VisString255, Unicode255 EntryTime" are used, the firmware will crash with the following error message "IEC 61850 driver: Invalid data type"	

Ticket	Summary	Description	Workaround
#2293	Gateway automatically restored when removed	When the default gateway is removed (e.g. via the com.tom IP tool), it will be automatically restored.	
#2305	IEC 61850 Client polling blocks client connection status query	IEC 61850 Client task first polls data from the servers and then checks the connection status, so if polling data takes more time than the configured check server interval will be violated.	
#2306	ID of some SIM card cannot be read	For some SIM cards the SIM ID cannot be read. This seems to be a timing issue. We should add a retry to read the SIM ID.	
#2373	IEC 61850: Quality encoded wrongly	The quality of values transmitted through IEC 61850 is encoded wrongly.	
#2444	Legacy cup files with OpenVPN configuration can't be applied to Reloaded	Legacy CUP files that contain an OpenVPN configuration can't be applied to SC1x5 processor based com.toms.	
#2467	DNP3 outstation: configuration file is exported twice	The DNP3 outstation configuration file is added twice to the export file.	
#2478	MicroBrowser: Values that extend other values names cannot be accessed	<p>This can happen if the name of one value is the first part of another's name and it is positioned before the mentioned value.</p> <p>For example:</p> <pre>idx: 0 name: uint8 idx: 1 name: uint8Max</pre> <p>A request for uint8Max will generate the "Variable or I/O value not found." error message.</p>	
#2552	Web server security issue	A security issue has been fixed in the internal web server.	
#2557	Linux kernel security issues	Three security issues have been fixed in the Linux kernel.	

### Component: Run Time System (28 matches)

Ticket	Summary	Description	Workaround
#2036	Messages: Cannot send directly after start-up	Directly after the device has started up, the first short message cannot be sent. The error message "Message manager: Sending message <message index> failed (-1)." appears in the event log.	

Ticket	Summary	Description	Workaround
#2057	Modbus RTU Slave: Serial port not freed when serial port is changed	When a com.tom has more than one serial port and you change the port for the Modbus RTU Slave driver, the previously used port will not be freed so that it can be used by other components.	
#2131	Hardware reset does not restore the CODESYS licence file	In a Hard Reset the codesys licences is removed, but not restored.	
#2139	Floating point NaN transmitted to portal continuously	When a floating point value that is transmitted to the portal is NaN, it is transmitted continuously.	
#2141	I/O Manager does not exchange data if it is not updated in a task	In order for data to be exchanged the I/O Manager values must be updated in a task.	In the device descriptor file change the value needsBusCycle in the CmpIoManager Connector to true.
#2181	Diagnostics console: RTOS tasks command does not show overall CPU duty cycle	The RTOS tasks command in the diagnostics console never shows the overall CPU duty cycle. It always shows "n/a".	
#2198	IEC 61850: Client may crash on non-GOOSE update	The IEC 61850 client may crash the firmware when a value is updated, but only if the update is not caused by GOOSE.	
#2204	OPC UA Server: Only one subscription per session	The OPC UA server supports only one subscription per session. If the subscription is for example used for ModelChangeEvents (like for example Unified Automation's UaExpert does), no subscription is available for monitored items. The error code BadTooManySubscriptions will be returned.	
#2207	DNP3 outstation: Timestamps are incorrect	Timestamps transmitted from the DNP3 outstation driver are incorrect.	
#2208	DNP3 outstation: Wrong static or event variation when editing the first value after loading website	When editing the first DNP3 outstation value after loading the settings website, the static or event variation shown in the value dialog may be wrong.	Cancel the value dialog and open it another time
#2211	DNP3 outstation: CROB commands queuing does not work	The DNP3 outstation driver does not queue CROB commands correctly. If a new CROB command is received while another one is still pending, the new CROB command could be ignored or it could be repeated endlessly.	

Ticket	Summary	Description	Workaround
#2215	DNP3 outstation: Inputs cannot be read back	DNP3 outstation inputs (outputs from master's point of view) cannot be read back by the master. The master always reads the initial value.	
#2219	Wrong progress indication while extracting update package	While an update package is being extracted, the progress indication shows a wrong percentage value.	
#2235	IEC 61850 server: Crash on setting group without DOs in IED section	The IEC 61850 server may crash the whole firmware if there is a setting group where there are no instances of the DOs in the IED section of the ICD file.	
#2318	IEC 61850 client: False success message when polling values	When the option "Poll data from servers" is enabled for the IEC 61850 client, after polling a value has failed and an appropriate error message has been emitted to the event log, the client will immediately emit a success message afterwards.	
#2331	IEC 61850: Garbage Enumeration values	The IEC 61850 driver treats enumeration values as 16-bit integers although they are transmitted as 8-bit integers. This leads to garbage values.	
#2332	IEC 61850: Quality not updated on error	When the IEC 61850 driver cannot get a value from the stack, the quality of the corresponding input is not updated.	
#2342	CTI x.MIO12.x.W and CTI x.MIO16.x.W Analog input values bounce for certain input values.	<p>Certain analog values generate an overflow that causes the analog input to bounce between two values with a relative big gap.</p> <p>Current List that have this issue: 3.114mA, 6.240mA, 9.366mA, 12.492mA Voltage List that have this issue: 1258mV, 2521mV, 3784mV, 5047mv</p>	
#2374	Changing priority of one portal data point affects all data points	When a portal data point's high priority flag is changed, the queued values of all data points will be moved to the other priority queue.	
#2402	The UTC clock timer unit works with local time	The UTC clock timer unit works with local time instead of UTC time.	
#2431	WLAN: Gateway settings is not used.	The Wlan interface allows a gateway to be configured but this options is ignored by the system.	
#2450	I/O mapping: Wrong timestamp and quality	When mapping an input to an output the quality of the output is always set to 'good' and the timestamp is always set to the current timestamp, which is what happens when mapping a variable to an output.	
#2459	OPC UA server: Quality not translated	Qualities are not being translated between OPC UA server I/Os and other I/Os. Good quality should be translated to 0, bad quality to 0x80000000.	
#2485	OpenVPN configuration option key-direction is not allowed	The option key-direction is blacklisted from the webconfig, this should't be so.	

Ticket	Summary	Description	Workaround
#2499	EtherNet/IP Adapter: IP cannot be configured from the EtherNet/IP network	The IP of the EtherNet/IP ABCC module cannot be configured from the EtherNet/IP network due to the IP being set by the gateway when ABCC is in state setup.	
#2501	EtherNet/IP Adapter: Reset request from network not supported	If there is a request to reset the device from an EtherNet/IP network it is ignored by the gateway. This has to be changed so that reset requests actually reset the device.	
#2504	EtherNet/IP Adapter: Generated .eds file is not conforming to ODVA's standard	There are missing Object_Name and Object_Class_Code on all objects in the .eds. The IconContents field has a trailing '='. The [Port] is missing declaration of routing capabilities.	
#2521	IEC 61850 client - false success message when polling values	IEC 61850 client - false success message when polling values	

**Component: Website** (23 matches)

Ticket	Summary	Description	Workaround
#677	Wrong information on home page after reboot	When the com.tom device is rebooted while the home page is active, the home page will not recognise the reboot and may display outdated information (e.g. I/Os that are no longer present).	
#1558	Switching language in one window disables language switching in other windows	When the language of the website is switched in one window, it cannot be switched to the same language in other windows. The problem appears when a second window is opened for the help system.	
#1564	Update without SD card and then without reboot with SD card does not work	If an update using the website's update tab is executed without an SD card and then executed with an SD card (with needed folders) and without a reboot is not possible. The error messages on the tab are: "The file has been rejected"	
#1619	Upload hangs in IE when external medium is not accessible	In Microsoft Internet Explorer uploads will hang instead of timing out when the external medium is not accessible.	Reload the website
#1873	Error on home page if any string contains control characters	If a string value on any I/O interface contains a control character (e.g. line break), the home page will stop to update the I/O values and show HTTP error 500.	

Ticket	Summary	Description	Workaround
#2002	Issue with the index number when deleting on grid	<p>When a non-parent row is deleted, the index number of the rows underneath won't be decreased by one.</p> <p>I call parent row the very first row that could exist on the grid, and that includes 'inputs' and 'outputs' rows as well.</p>	
#2005	Graphic issues with deleted parent entries on grids	<p>On all grids, with the same structure of Master/Server, when a parent entry, with parent entries below it, is deleted, the addition of values on the parent entries BELOW will cause graphical issues, *IF these entries are fully expanded before the delete of the parent entry above them.</p> <p>Changing to another settings form and switching back will resolve the issue and the grid will be shown correctly. *Also expanding or contracting an entry will solve the issue, therefore the big if.</p>	
#2049	NAT's popup window allows ip field to be empty	NAT's popup windows to add entry and edit entry allow ip address input field to be empty when clicking ok.	
#2088	Dialog buttons cut	In some dialogs the buttons at the bottom are cut, because the dialog is slightly too small.	
#2110	Diagnostics: Ping allows too many data bytes	The ping command on the diagnostics page allows up to 65535 data bytes, but only up to 65507 work. If you chose 65508 data byte or more, the message "ping: sendto: Message too long" is shown.	
#2112	New variables invisible	On the form where you can define the variables, the 27th entry will not be shown in the table when added.	
#2135	Fix localization error in the IEC 61850 help page	Swap the english and german localization strings for "Server SCL file path".	
#2205	WLAN: Error message only shown very shortly when scanning fails	When scanning for WLAN networks fails for any reason, the corresponding error message is only shown very shortly.	
#2209	Modbus Slave: Wrong data type when editing first value after loading website	When editing the first Modbus slave value after loading the settings website, the data type shown in the value dialog may be wrong.	Cancel the value dialog and open it another time
#2230	IEC 60870-5-104: Erroneous check for relation between T1 and T2	For IEC 60870-5-104 server and client the T2 timeout value must be smaller than the T1 timeout value. However the check is done incorrectly leading to false positives and false negatives	
#2231	PROFIBUS DP slave: Module ID 255 should not be allowed	When adding or editing a PROFIBUS DP slave module, the module ID 255 can be entered. But when the configuration should be saved an error message is shown, stating that the module ID is out of bounds.	



Ticket	Summary	Description	Workaround
#2234	Help icon on settings website does not open help topic for settings website	When the help icon on the settings website it clicked, the help website is opened, but not the help topic for the settings website (like for other sites).	
#2269	Scrolling area for settings is too high	The area on the settings website, in which the configuration forms are shown, allows to scroll down beyond the end of most forms, because the scrolling area has the size of the longest form. Furthermore when you have scrolled to the end of a long form and switch to a shorter form, the area does not scroll up automatically. You have to manually scroll up to see the new form.	
#2272	IEC 60870-5-104: Erroneous check for relation between T1 and T2	For IEC 60870-5-104 server and client the T2 timeout value must be smaller than the T1 timeout value. However the constraints of the 2 timeout values are wrong.  On <del>#2230</del> the T1 constrains were corrected. But the T2 must have a limit of 254.	
#2279	IEC 60870-5-104 client: Redundancy not documented	The connection redundancy feature of the IEC 60870-5-104 client is not documented.	
#2346	EtherNet/IP Adapter: download EDS File throws error.	If changes are made to the configuration and then are discarded because the user reload the form, trying to download the EDS file will generate the error "save or discard any changes before you can download the EDS file."	
#2424	OPC UA server: It should not be possible to select no security policy	The configuration form for the OPC UA server does not enforce selecting a security policy. However the server will not be accessible when no security policy is active.	
#2486	OpenVPN webconfig error codes are not translated.	The OpenVpn webconfig error objects are shown when an error occurs instead of the translated texts.	