

Tímový projekt



Export úloh z nástroja JIRA


Vedúci projektu: doc. Ing. Tibor Krajčovič, PhD.
Spolupráca: Ing. Lukáš Ondriga, Kistler Bratislava, s.r.o.
Názov tímu: TEST.IOT
Členovia tímu: Bc. Tomáš Bujna
Bc. Marián Ján Franko
Bc. Rastislav Kováč
Bc. Igor Labát
Bc. Miroslav Sabo
Bc. Filip Starý
Bc. Stanislav Šírka
Kontakt: fiit.tp.tim15@gmail.com
Akademický rok: 2018/2019


Sprint Backlog


In Progress


Review


Done


IOT-90
 ⬆ Digital Input Test Integration 
 ComoNeo Digital Inputs
 None 13


IOT-91
 ⬆ Interfaces Design 
 ComoNeo Analog Inputs
 As a developer of loTester I ne 13

IOT-92
 ⬆ Analog Output from PRU 
 ComoNeo Analog Inputs
 As a user of loTester I want to 13

IOT-9
 ⬆ Program for RTUexe Configuration 
 ComoNeo Digital Inputs
 As a user I want to be able to 8

IOT-80
 ⬆ Model Architecture for Project 
 None

IOT-93
 ⬆ Create First Document for Project 
 None 8

IOT-94
 ⬆ Close Sprint 3 
 None

Summary	Issue key	Issue Type	Status	Assignee	Description	Epic Link	Epic Name	Sprint 1	Sprint 2	Sprint 3	Sprint 4	Story Points	Task type
Close Sprint 3	IOT-94	Task	Closed	Stanislav Šírka							IOT Sprint 4		other
Create First Document for Project	IOT-93	Story	Closed	Stanislav Šírka							IOT Sprint 4	8.0	
Analog Output from PRU	IOT-92	Story	In Progress	Rastislav Kováč	<p>As a user of IoTester I want to be able to generate analog outputs with defined timing to be able to test the ComoNeo.</p> <p>Acceptance criteria: * simple analog output example is compilable and possible to load into PRU * team understands how the DAC chip is connected to the board (SPI, GPIOs) * SPI and GPIOs necessary to control DAC are enabled in the device tree * team has basic understanding of used DACs [http://www.ti.com/lit/ds/symlink/dac8734.pdf] * team understands daisy-chain concept [https://www.maximintegrated.com/en/app-notes/index.mvp/id/3947] * team understand how to send data over SPI from PRU (what is the data format, how the address is stored in the data) - basically to understand what this code means: <pre>((uint32_t) Data.Channel[iCount].CurrentValue)& 0xFFFF) (((0x04) + (int)(iCount / DAISY_CHAIN_DEVICES)) << 16)</pre></p>	IOT-36					IOT Sprint 4	13.0	
Interfaces Design	IOT-91	Story	In Progress	Stanislav Šírka	<p>As a developer of IoTester I need a design of the communication message between PRU and CPU.</p> <p>Acceptance criteria: * message should be easy to use for PRU (no parsing, no caching in PRU, ...) * message will support all digital outputs and analog outputs usable on IoTester * documentation of the message - will contain reasoning * the basic idea how to create this message in CPU is described</p>	IOT-36					IOT Sprint 4	13.0	
Digital Input Test Integration	IOT-90	Story	In Progress	Stanislav Šírka		IOT-2					IOT Sprint 4	13.0	
Deployment	IOT-89	Epic	To Do				Deployment						
Jenkins pipeline for installation image	IOT-88	Story	To Do		<p>As a user I want try the latest changes of the IoTester firmware.</p> <p>Acceptance criteria: * Jenkins pipeline which will be triggered by the change in a git branch and will compose the IoTester firmware</p>	IOT-89							
Installation image build	IOT-87	Story	To Do		<p>As a developer/tester/user I want to try the latest changes in the IoTester firmware.</p> <p>Acceptance criteria: * script which will integrate parts of the IoTester firmware (web server, PRU binary, ...)</p>	IOT-89							
Enable multiple digital and analog outputs	IOT-86	Story	To Do		<p>As a user I want to use all analog and digital outputs of IoTester to be able to control ComoNeo.</p> <p>Acceptance criteria: * Rest API is extended so that it allows configuration of all digital and analog outputs * RTU executes the configuration according defined timing</p>	IOT-40							
ComoNeo simulator data conversion	IOT-85	Story	To Do		<p>As a ComoNeo tester I want to be able to take the data for ComoNeo simulator and configure with the IoTester</p> <p>Acceptance criteria: * Robot framework keyword which will load configuration from ComoNeo fpga simulator and configures IoTester via Rest API</p> <p>ComoNeo Simulator input data description: [https://git.kistler.com/comong/comong-software/tree/master/Core/lib/Fpga/Simulator]</p> <p>ComoNeo Simulator input data examples: [https://git.kistler.com/comong/comong-software/tree/release-3.0/Testing/RestApi-Robot/Setups/2molds/ApplicationFiles/Simulator] [https://git.kistler.com/comong/comong-software/tree/master/Testing/RestApi-Robot/Setups/8c1p/ApplicationFiles/Simulator]</p> <p>Ã Ã</p>	IOT-40							

Create Team Poster	IOT-26	Task	Closed															documentation
Create Project Specification	IOT-25	Task	Closed	Lukáš Ondříga														documentation
Share Google Drive	IOT-24	Task	Closed															other
Create Team Chat	IOT-23	Task	Closed															other
Decide on Continuous Server	IOT-22	Task	Closed															other
Create Team GIT	IOT-21	Task	Closed															other
Add Tasks to Jira	IOT-20	Task	Closed	Stanislav Šírka	Subtasks left: * Create Sprint - done * Add tasks to Sprint - done * Add task owners - done				IOT Sprint 1									other
Call Program on RTU from CPU	IOT-19	Task	Closed						IOT-2									implementation
Analyze Communication Between RTU and CPU	IOT-18	Task	Closed						IOT-2									analysis
Load Program to RTU	IOT-17	Task	Closed	Igor Labát	As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input. Acceptance criteria: Running RTU program which sets the digital output of IOTester according configuration from CPU.				IOT-2		IOT Sprint 1	IOT Sprint 2	IOT Sprint 3					implementation
Choose Simple Program for RTU	IOT-16	Task	Closed						IOT-2									analysis
Choose Web Server Technology	IOT-15	Task	Closed	Rastislav Kováč					IOT-2		IOT Sprint 1							other
RTU and Web Server Compatibility	IOT-14	Task	Closed						IOT-2									analysis
Analyze RTU	IOT-13	Task	Closed						IOT-2									analysis
Create a Test	IOT-12	Story	Closed	Marián Ján Franko	As a user I want to test the ComoNeo digital input. Acceptance criteria: Test configures IoTTester (library for IoTTester configuration will be implemented in different user story) Test checks the ComoNeo web application if the digital input was set. Ã				IOT-2		IOT Sprint 1	IOT Sprint 2	IOT Sprint 3				13.0	
Robot Framework LIB	IOT-11	Story	Closed	Marián Ján Franko	As a test developer I want to have a library to use IoTTester Acceptance criteria: * python module * keywords to set Como digital inputs are implemented HINT:Ã implementation of the keywords are POST requests to the IoTTester POST request is implemented inÃ http://jira.kistler.com/browse/IOT-10				IOT-2				IOT Sprint 3				5.0	
REST API Prototype	IOT-10	Story	Closed	Tomáš Bujna	As a user of IoTTester I want to have interface to set the Como digital input to be able to configure IoTTester. Acceptance criteria: * working webservice on beagleboard * implemented simple post request with value of digital input (0 or 1) * post request execution is logged to the console				IOT-2				IOT Sprint 3				3.0	
Program for RTUexe Configuration	IOT-9	Story	Closed	Filip Starý	As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input. Acceptance criteria: Running RTU program which sets the digital output of IOTester according configuration from CPU.				IOT-2					IOT Sprint 4			8.0	
RTU and CPU Communication	IOT-8	Story	Closed	Filip Starý	As a user I need to configure real time simulation to run various simulations. Acceptance criteria: RTU and CPU prototype is running on Beaglebone Linux console.				IOT-2		IOT Sprint 1	IOT Sprint 2	IOT Sprint 3				5.0	
Load RTUexe	IOT-7	Story	Closed	Igor Labát	As a user I need to do a real time simulation to be able to simulate sensor measurements. Acceptance criteria: Loading of the program to the real time unit will be shown on Linux console.				IOT-2		IOT Sprint 1	IOT Sprint 2	IOT Sprint 3				13.0	

