

Parts & Tools

Create your own accessible software!

- Building Blocks
- Frameworks

Open Source Input Transducer Modules

Submitted by mad on October 8, 2015 - 2:09pm

Microcontroller boards provide a cost-effective and efficient solution to interface computers to the environment, measure sensor values or control actuators. For assistive application in particular, microcontrollers can be interesting to explore alternative input methods or provide means to interact with or manipulate the environment.

Get started

Learn more

Microcontroller boards provide a cost-effective and efficient solution to interface computers to the environment, measure sensor values or control actuators. For assistive application in particular, microcontrollers can be interesting to explore alternative input methods or provide means to interact with or manipulate the environment.

The Arduino component provides an interface to the popular Arduino Uno microcontroller and makes available analog inputs and digital inputs and outputs. Similarly, an interface to the Teensy controllers or other types of microcontroller platforms can be provided on demand.
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Potential Applications

- Measure analog data of a bend sensor, force sensor, accelerometer, gyrometer, pressure sensors, proximity sensors
- Attach (selfmade) switches/buttons as digital inputs to control computer applications or provide mouse/keyboard alternatives
- Use digital outputs to control actuators (on/off lights, servo motor,...)



Graphs



Builds

Activity

Last Commit: 2 days ago

2,367 Commits

324 Contributors

Further Resources

[AsTeRICS homepage](#)

[Videos/Demos](#)

[Downloads and Documentation](#)

[Code Repository](#)

Solutions:

[Adjustable or Alternate Input Devices
Special / General](#)

Needs:

[Physical Disabilities](#)

Implementation Technologies:

C
C++

Dependencies

None

License:

MIT

Technology category:

[Microcontrollers](#)

Source Repository:

<https://github.com/asterics/AsTeRICS>

Contact:

<https://wiki.gpii.net/w/FHTW>

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 **Graphs**

 **Builds**

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6 Month View 

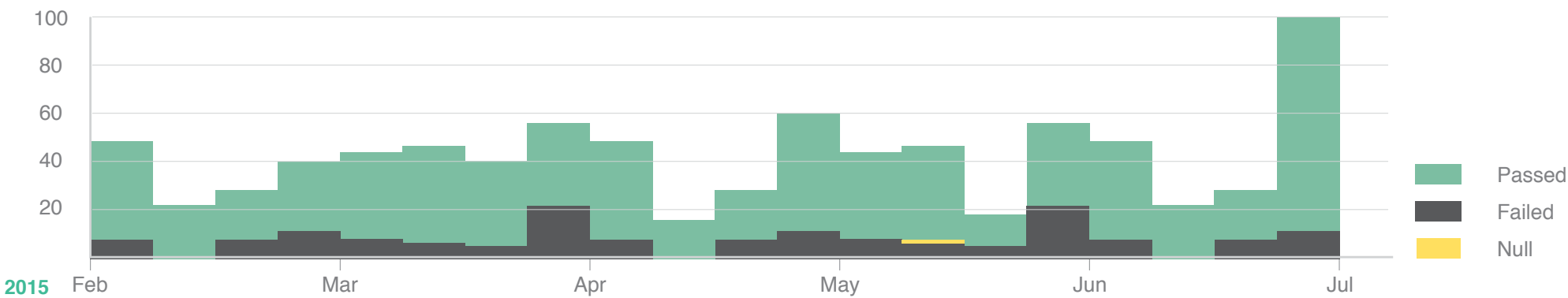
Builds

Last build passed
5 of 5 last builds passed
Total Builds: 3,100

[Source: Jenkins](#)

Number of builds

Use  and  to scroll

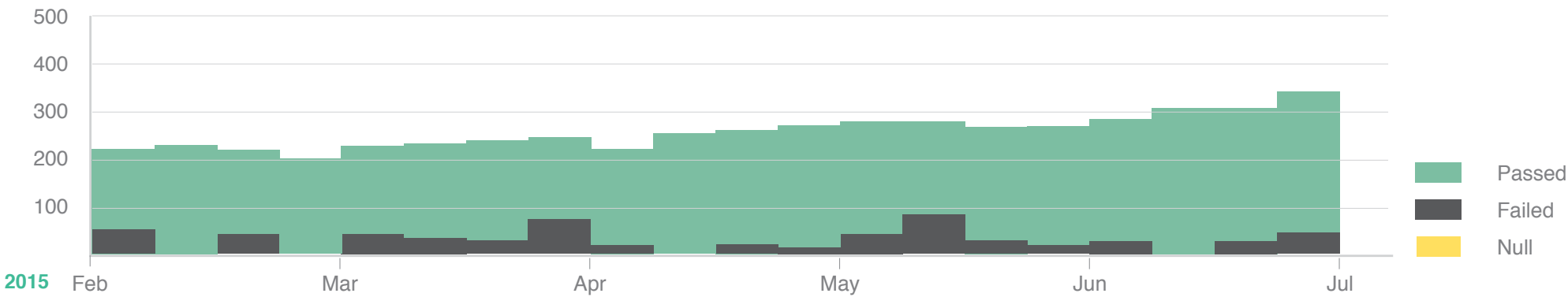


Tests

Last test failed
Total Tests: 23,400

[Source: Jenkins](#)

Average test per test run

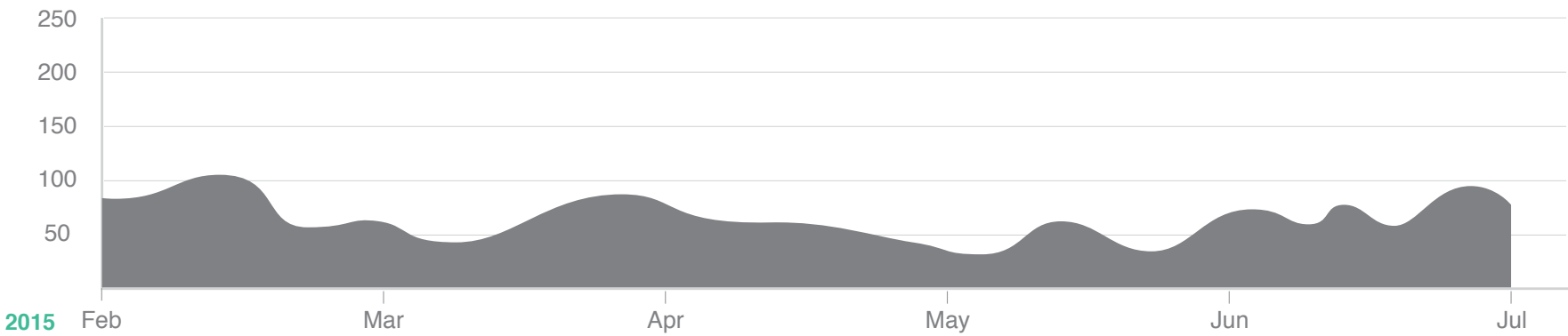


Contributors

2,787 People have contributed.

[Source: Github](#)

Amount of contribution



Commits

Last commit made 2 days ago.
3,429 Commits made by dhh.
Total Commits: 52,512

[Source: Github](#)

Number of commits



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 Graphs

 Builds

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	Build	Admin	Type	Date	Duration	Log
✓	#180	 mad	Pull #122	33 min ago	5 min 47 sec	
✓	#179	 jobara	Pull #121	2 days ago	3 min 40 sec	
✓	#178	 mad	Pull #120	2 days ago	10 min 22 sec	
✓	#177	 jobara	Pull #119	3 days ago	5 min 18 sec	
×	#176	 jobara	Pull #118	1 week ago	22 min 47 sec	
✓	#175	 Till	Pull #117	1 week ago	5 min 47 sec	
×	#174	 jobara	Pull #116	2 weeks ago	8 min 26 sec	
✓	#173	 jobara	Pull #115	2 weeks ago	3 min 58 sec	
✓	#172	 cli	Pull #114	2 weeks ago	4 min 34 sec	
×	#171	 jobara	Pull #113	3 weeks ago	5 min 26 sec	
✓	#170	 cli	Pull #112	1 month ago	2 min 18 sec	

Search Results For: [Head Tracker](#)

Choose a subsection...▼

Sort by ...▼

Found 38 items < Page 2 of 4 >

Title	Type	Author	Status	Update	Language	Operation
<input checked="" type="checkbox"/> Open Source Input Transducer Modules <div>updated</div>	Building Block	mad	published	2015-10-08	English	
<input type="checkbox"/> URC SocketBuilder 1.2	Building Block	Lukas	published	2015-10-08	English	
<input type="checkbox"/> Head controlled mouse (Windows)	Building Block	mad	published	2015-10-08	English	
<input type="checkbox"/> jActivity	Framework	till	published	2015-09-30	English	
<input checked="" type="checkbox"/> Head controlled mouse (Windows) <div>updated</div>	Framework	mad	published	2015-10-08	English	
<input type="checkbox"/> jActivity	Framework	till	published	2015-09-30	English	
<input type="checkbox"/> Head controlled mouse (Windows)	Building Block	mad	published	2015-10-08	English	
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<input type="checkbox"/> jActivity <div>updated</div>	Building Block	till	published	2015-09-30	English	
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<input type="checkbox"/> jActivity	Framework	till	published	2015-09-30	English	
<input type="checkbox"/> Head controlled mouse (Windows)	Building Block	mad	published	2015-10-08	English	

Compare Selected Items

Comparing Results For: [Head Tracker](#)

6 Month View



Title	Buids	Tests	Commits	Contributors
<div><div><div><div>✓</div><div>Open Source Input Transducer Modules</div></div><div>By mad</div><div>Project description There are many variations of passages of Lorem Ipsum show more...</div></div></div> <div><div><div><div>2015</div><div>Feb</div><div>Mar</div><div>Apr</div><div>May</div><div>Jun</div><div>Jul</div></div><div><div>Number of builds</div><div>Use ← and → to scroll</div><div><div><div>100</div><div>80</div><div>60</div><div>40</div><div>20</div></div><div><div><div><div>Passed</div><div>Failed</div><div>Null</div></div></div></div></div></div></div></div>	<div><div><div><div>2015</div><div>Feb</div><div>Mar</div><div>Apr</div><div>May</div><div>Jun</div><div>Jul</div></div><div><div>Number of builds</div><div>Use ← and → to scroll</div><div><div><div>100</div><div>80</div><div>60</div><div>40</div><div>20</div></div><div><div><div><div>Passed</div><div>Failed</div><div>Null</div></div></div></div></div></div></div></div>			
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