

Issue #285
April**Al Anderson: Raspberry Pi-Based Monitoring Device****PROJECT FILES**

To download the code, go to ftp://ftp.circuitcellar.com/pub/Circuit_Cellar/2014/285

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Raspberry Pi, www.raspberrypi.org

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BeagleBone computer
BeagleBoard.org | www.beagleboard.org

InterMapper network monitoring software
Help/Systems, LLC | www.intermapper.com

TMP102 Digital sensor breakout board
SparkFun Electronics | www.sparkfun.com

TMP102 Digital temperature sensor
Texas Instruments, Inc. | www.ti.com

Thiadmer Riemersma: A Trace Tool for Embedded Systems**PROJECT FILES**

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Note: All files for this project are also available at
<https://docs.google.com/file/d/0B45y4bhxuJAySWxqNEdoSFF2YkE/edit?usp=sharing>

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Tag-Connect, LLC, www.tag-connect.com

wxWidgets, www.wxwidgets.org

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FT232RL USB-to-UART IC and D2XX Drivers
Future Technology Devices International, Ltd. | www.ftdichip.com

PIC16F1824 Microcontroller and PICkit programmer
Microchip Technology, Inc. | www.microchip.com

Jens Altenburg: High-Altitude Low-Cost Experimental Glider**PROJECT FILES**

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[2] B. Stüwe, *Peenemünde-West—Die Erprobungsstelle der Luftwaffe*, Bechtle Verlag, Esslingen, Seite 504 ff

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J. Altenburg, "AONE: A Highly Sophisticated Test Bench for Flight Control Systems," 21st International Scientific Conference Mittweida, 2011

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Maperitive, <http://maperitive.net>

OpenStreetMap, www.openstreetmap.org

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BMP085 Pressure sensor
Bosch Sensortec | www.bosch-sensortec.com

IAR Workbench
IAR Systems | www.iar.com

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STMicroelectronics | www.st.com

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George Novacek: Software Safety

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SOURCE

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Colin O'Flynn: All-Programmable SoC Solution

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ARM, Ltd. | www.arm.com

ZedBoard, MicroZed board, and LX75 and LX9 MicroBoards
Avnet, Inc. | www.avnet.com

SmartFusion2 SoC FPGA
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Bob Japenga: Embedded File Systems (Part 4): Specialized Linux File Systems

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Samba, www.samba.org

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ARM9 Processor
ARM, Ltd. | www.arm.com

Robert Lacoste: Pulse Shaping Basics

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ADF7021 Transceiver
Analog Devices, Inc. | www.analog.com/en/rfif-components/rfif-transceivers/adf7021/products/product.html

Scilab open-source software
Scilab Enterprises | www.scilab.org

Jeff Bachiochi: Programmable RGB LED Strips

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RGB-123, <http://rgb-123.com>

Seed Studio, www.seedstudio.com

SparkFun Electronics, www.sparkfun.com

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Adafruit Industries | www.adafruit.com

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Microchip Technology, Inc. | www.microchip.com

WS2811 LED driver IC, WS2812 LED strip, and WS2812B LED pixel strip
Worldsemi Co., Ltd. | www.world-semi.com