

- Free web apps (oscilloscope & signal generator, spectrum, Bode and logic analyzer, SDR, VNA, PID)
- Can be controlled remotely using C, LabVIEW, MATLAB, Python, or Scilab
- Can be programmed to meet custom needs

What is in the box

- Red Pitaya STEMLab 125-14 digitizer board
- SD card (16GB, class 10)
- Ethernet cable (1m)
- Power supply (5V, 2A)
- Aluminium case
- Logic analyzer extension module
- 2x oscilloscope probes
- 2x SMA to BNC adapter
- 2x 50 ohm termination
- 2x SMA T adapter
- WiFi dongle

RAM	512MB (4Gb)
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System memory	Micro SD up to 32GB
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■ Connectivity

Ethernet	1 Gbit
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USB	USB 2.0
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WIFI	Using Wi-Fi dongle
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Channels	2
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Sample rate	125MS/s
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ADC resolution	14 bit
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Full scale voltage range	$\pm 1V / \pm 20V$
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Input Coupling	DC
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Bandwidth	DC-60MHz
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Input impedance	1M Ω
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Channels	2
Sample rate	125MS/s
DAC resolution	14 bit
Full scale voltage range	$\pm 1V$
Load impedance	50 Ω
Shortcut protection	Yes
Typical raising/falling time	2V / 10ns
Bandwidth	DC-60MHz

Digital I/Os	16
Analog inputs	4 channels 0-3,5V 12bit
Analog outputs	4 channels 0-1,8V 12bit
Communication interfaces	I2C, SPI, UART
Available voltages	- 4V, + 3,3V, + 5V

■ Synchronisation

Trigger input	Through extension connector
Daisy chain connection	Over SATA connection
Ref. clock input	N/A

Use case	Academia, Industry
Weight	1,2 kg
Dimensions	41 × 14,5 × 9 cm