

STEMlab 125-14 4-Input Starter Kit



STEMlab 125-14 4 Inputs digitizer board is based on STEMlab 125-14 unit, which offers 4 Input channels with improved performance, instead of 2 inputs and 2 output channels. Additionally, it comes equipped with Xilinx Zynq 7020 SoC.

What is in the box

- Red Pitaya STEMlab 125-14 4-Inputs digitizer board
- SD card (16GB, class 10)
- Ethernet cable (1m)
- Power supply (5V, 2A)

FPGA	Xilinx Zynq 7020
RAM	512MB (4Gb)
System memory	Micro SD up to 32GB

■ Connectivity

Ethernet	1 Gbit
USB	USB 2.0
WIFI	Using Wi-Fi dongle

Digital I/Os	20
Analog inputs	4 channels 0-3.5V 12bit
Analog outputs	4 channels 0-1.8V 12bit
Available voltages	- 4V, + 3.3V, + 5V

■ RF inputs

Channels	4
Sample rate	125MS/s
ADC resolution	14 bit
Full scale voltage range	$\pm 1V / \pm 20V$
Input Coupling	DC
Bandwidth	DC-60MHz
Input impedance	1M Ω

■ Synchronisation

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

■ More

Weight	0,5 kg
Dimensions	22 × 14,7 × 7,5 cm