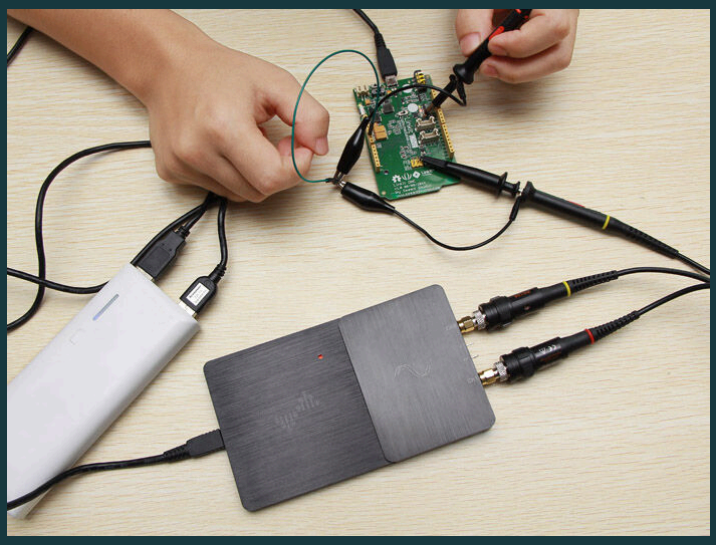
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INDUSTRIAL PRODUCT DATASHEET

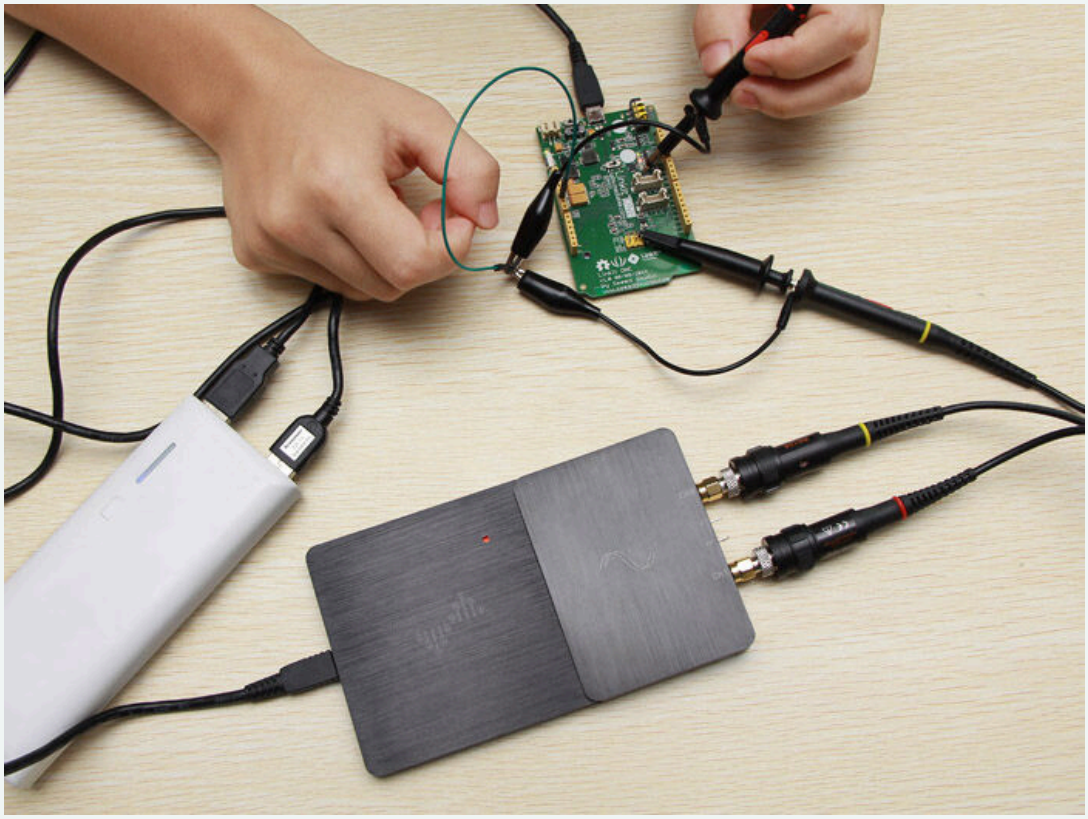
DSLogic

DSLogic: a 400 MHz, 16-channel multi-function instrument for logic analysis, oscilloscope, and protocol analysis.

SKU	UPDATED	PRICE
113990097	2024-08-09 02:02:39	$126.00(Excl. VAT)



Overview



The DSLogic is a reconfigurable FPGA-based multi-function instrument consisting of a DSLogic-Core module and extension modules, capable of operating as a logic analyzer, oscilloscope, data acquisition system, protocol analyzer, or RF analyzer. It features up to 400 MHz sampling rate, 256 Mbit on-board memory (16 Msamples per channel), 16 buffered channels, and supports 38 protocol analyzers with open-source Python-based software on Windows, Linux, and macOS.

Key Features

DSLogic consists of DSLogic-Core and extension modules. DSLogic-Core is a re-configurable circuit board based on FPGA technology with maximum 400MHz sampling rate and 256Mbit on-board memory. DSLogic-Core can work alone as a fully functional logic analyzer, along with various extension modules.DSLogic can also work as oscilloscope, data acquisition system, protocol analyzer and even RF analyzer.

HardwareFeatures
Upto400MHzsamplerate

- 400Mbpscaptureson4channels
- 200Mbpscaptureson8channels
- 100Mbpscaptureson16channls

256Mbon-boardmemory
16Msamplesperchannel
16bufferedchannels
-30V~30Vinputvoltageprotection
Adjustablesamplethreshold
Support1.8V/2.5V/3.3Vsystem:0.7v(low)/1.4v(high)
Support5.0Vsystem:1.4v(low)/3.6v(high)
Supportexternalclockandtriggerinput
LEDstatusindicator

Software Features
Three modes support

- Logic analyzer mode for digitial signals analysis
- Data Acquisition mode for analog long-time capture
- Oscilloscope mode for analog real-time observation

Support 38 protocol analyzers
I2C, SPI, CAN, 1-Wire, UART, I2S, JTAG, etc...
Based on open source python implementation
Support all of mainstream platforms

- Windows
- Linux
- OS X

Support fast shift among multipule devices on one computer

Maximumsamplerate:

- 4channels@400MHz
- 8channels@200MHz
- 16channels@100MHz

Maximumsampledepth:

Total256M(16Msamplesperchannel)
Recommandedinputvoltagerange:-0.6Vto+6V
Absoluteinputvoltagerange:-30Vto+30V
Inputimpedance:0Kohm
MaximumInputBandwidth:50MHz
Maximumstateclock:50MHz

Part List:

- 1 x DSLogic core module
- 1 x USB cable
- 1 x Shielded wire bundles
- 16 x Clios for logic analyzer

Support:

website: **http://www.dreamsourcelab.com**

wiki: **http://www.dreamsourcelab.com/wiki**

forum: **http://www.dreamsourcelab.com/forum**

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Compliance & Logistics

HSCODE

Resource Links

- https://www.seeedstudio.com/DSLogic-p-2184.html

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