🏠 / Boards / SmartLynq Data Cable
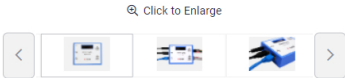
SmartLynq Data Cable

by: Xilinx, Inc

 XILINX.

SmartLynq is a high performance JTAG cable for high-speed FPGA and flash programming, hardware and software debug, performance analysis, and event trace.

Price: $594.00
Part Number: HW-SMARTLYNQ-G
Lead Time: 8 weeks
Device Support: Zynq-7000, Zynq UltraScale+ MPSoC, Zynq UltraScale+ RFSoC

Buy

or buy from: Authorized Distributors

🔍 Click to Enlarge

Overview   Product Information   Resources

OVERVIEW

Product Description

SmartLynq is a high performance JTAG cable for high-speed FPGA and flash programming, hardware and software debug, performance analysis, and event trace.

This cable delivers:

- Up to 40Mbps throughput
- Ethernet host connection for remote access
- USB 2.0 host connection
- Faster embedded software debugging
- Support for Linux and Hypervisor aware debugging
- 8 GPIO for additional debug signals

The SmartLynq Data Cable is backward compatible with the Platform Cable USB II through a standard PC4 JTAG header connection to the target board. It provides higher throughput than previous generation cables, allowing for faster programming and debug. It is compatible with the Vivado® Design Suite, Labtools, and Xilinx Software Development Kit.

Comparison Metric	Platform Cable USB II	SmartLynq Data Cable
Device Programming and Hardware Debug	Y	Y
Basic Software Debug	Y	Y
OS / Hypervisor Aware Debug	N	Y
Remote Access/Debug Capability	N	Y
USB 2.0 Host Interface	Y	Y
10/100/1000 Ethernet Host Interface	N	Y
Default Bitstream Programming Speed (MB/s)	0.4	4
JTAG Max Clock Speed (MHz)	12	40
Connection to Target via PC4 JTAG or Flying Leads (provided)	Y	Y
GPIO Available with Flying Leads Cable (provided)	N	Y
Hardware Server Application	On Host	Local to Cable

PRODUCT INFORMATION

What's Inside

01	SmartLynq Data Cable Module
02	JTAG Ribbon Cable
03	USB Cable
04	JTAG Flying Wire Adapter Cable
05	GPIO Flying Lead Cable
06	Ethernet Cable
07	Power Supply

RESOURCES

Documentation

Document Type

- [ ] User Guides — 1
- [ ] Board Files — 1

Results per page 30 60 120 150

Title ⌃   Document Type ⌄   Date ⌄

Results 1-2 of 2

XTP473 - SmartLynq Data Cable Quick Start Guide (v1.1)   Sep 15, 2017

Document Type: User Guides

Describes how to set up and run the Xilinx SmartLynq Data Cable.

XTP480 - SmartLynq CE Declaration of Conformity (v1.0)   Aug 31, 2017

Document Type: Board Files

CE Declaration of Conformity

Get to know us
- Company Overview
- Management Team
- Corporate Responsibility
- Careers
- Contact Us

News & Events
- News & Press Releases
- Events
- Webinars
- Corporate Briefing Center
- Training
- University Program

Media & Community
- Video Portal
- Customer Success Stories
- Xilinx Blogs
- Support Community
- Media Kits

Product Support
- Downloads & Licensing
- Documentation
- Knowledge Base
- Product Return
- Terms of Sale
- Contact Sales

Partners & Investors
- Xilinx Partners
- Partner Design Services
- Authorized Distributors
- Xilinx Ventures
- Investor Relations

Feedback