Cable Testers

Quickly identify bad cables, unusual pinouts and poor quality quality data links

Quarch
Technology

Cable Testers

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Highlights

◗ Map high speed links, accounting for unusual cross-over
◗ Identify broken wires
◗ Train the link at full data speeds
◗ Track bit error rates (BERT)
◗ Calculate eye height and view synthetic eye diagrams
◗ Decode EEPROM data

Use cases

Screening	Identify and reject failed cables quickly
Comparison	Comparing quality between batches and suppliers
Characterisation	Gain detailed insight into a cables performance
Identification	See exactly what a cable is reporting its self to be

Simple, fast testing

With this simple product, you can quickly ensure that any cable you have is both functional, and of a high quality.

From basic standalone testing, to detailed reports and advanced custom features, the tester is easy and fast to use. Testing a wide range of cables, including some custom configurations and non-compliant designs is now easy.

Link mapping ensures you know exactly how the cable is wired and the high speed BERT and eye measurement tests allow you to see the actual performance of the cable in a real world situation.

Control and automation

Pasic pass/fail testing can be run with a standalone unit.

For more complete testing and detailed reporting, a cross-platform application is provided.

Our Python API allows full automation where more advanced control is required.

Link	Bits Sent	Errors	BER	Eye Height
A0	1.4 Tb	0	< 7.1E-13	180.8
A1	1.4 Tb	0	< 7.1E-13	244.8
A2	1.4 Tb	0	< 7.1E-13	252.8
A3	1.4 Tb	0	< 7.1E-13	220.8
B0	1.4 Tb	0	< 7.1E-13	196.8
B1	1.4 Tb	0	< 7.1E-13	222.4

Supplied Parts

Cable Tester   - The main unit
Power Supply   - External 12v power supply, with multi-region plug
USB Cable   - 2 meter USB cable

Also Required

Downloads   - Our website contains many useful downloads to help you get started: www.quarch.com
USB Drivers
Technical Manuals
Quick Start Guides
Example Scripts
Cable Tester Application

Support

Quarch provides direct support to all customers, regardless of the sales channel you use to purchase our equipment. We are available over email, or by phone during UK office hours. Our regional partners are also trained to handle many of the most common questions you might have.

Our support is normally free, though there may be charges if you require on-site training or significant development work. Please contact us if there is anything we can do to help.

Pleas see our website for access to drivers, technical manuals, quick-start guides, example scripts and more

Email   **Phone**   **Web**
support@quarch.com   +44 1343 508 140   www.quarch.com/support

Ordering

Quarch have a network of specialist partners around the world. Please contact our partner in your region if you require a quote.

We recommend evaluating our products before purchase, so our partners will be happy to arrange a free evaluation unit.

Regional Contact Details

North America
SerialCables LLC
Colorado, California

Web   www.serialcables.com

China, Hong Kong
Saniffer
Hong Kong

Web   www.saniffer.com

India
ESA Group
Bangalore

Web   www.esaindia.com

Taiwan
Reeper Technology
Taipei

Web   www.reeper.com.tw/

Israel
EMY-Tech
Misgav

Web   www.emy-tech.com

Europe and ROW
Quarch Technology
Scotland, UK

Web   www.quarch.com

South Korea
JWill Technology
Seoul

Web   www.jwill.co.kr

Products Versions

Product Code	Product Options	
QTLXXXX/KIT_YY	Product code, made up from options below	
QTLXXXX	**QTL2250**	Cable Tester Module
/KIT_YY	**/KIT_US**	Cable Tester with US power lead
	/KIT_EU	Cable Tester with EU power lead

Technical Information

Connections	QTL2250
Supply Voltage	12V DC
Form Factor	Desk Unit
Control Ports	USB, LAN
Cable Ports	SFF-8644
Tx Clock Port	100MHz Tx clock
Rx Clock Ports	Recovered Rx clocks

Test Parameters	QTL2250
Max Line Rate	24Gb/s
Additional Rates	2.5G, 3G, 5G, 6G, 8G, 12G, 16G, 22.5G
Cables Supported	SAS, PCIe, Custom*
Test patterns	PRBS7, 9, 15, 23, 31
Bert Resolution	1 bit