

Cable Testers

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

Quarch Data Sheet



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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

ComparisonComparing quality between batches and suppliersCharacterisationGain detailed insight into a cables performanceIdentificationSee 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.



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: <u>www.quarch.com</u>

Technical Manuals

USB Drivers

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



ELECTRO SYSTEMS

www.serialcables.com

India ESA Group

Web

Bangalore

Web www.esaindia.com

Israel EMY-Tech Misgav



ASSOCIATES

Web <u>www.emy-tech.com</u>

South Korea JWill Technology Seoul

Web www.jwill.co.kr



Saniffer Hong Kong

Web www.saniffer.com

Taiwan

Reeper Technology

Taipei

Web <u>www.reeper.com.tw/</u>

Europe and ROW

Quarch Technology Scotland, UK

Web <u>www.quarch.com</u>



RT Reeper Technology

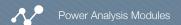
Saniffer





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 /KIT_EU	Cable Tester with US power lead 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, PCle, Custom*
Test patterns	PRBS7, 9, 15, 23, 31
Bert Resolution	1 bit

