

Simple set-up & maximum flexibility

Quarch Programmable Power Modules



- No more hassle trying to clamp current probes in awkward places or make custom cabling—connecting a PPM to the drive you're testing is incredibly simple.
- Automating your testing with Quarch PPMs gives you a huge range of set-up options—start investigating the possibilities with the example set-ups below.

Easy connection to any type of drive

Quarch's range of specific power injection fixtures, e.g., SFF drives, PCIe cards and M.2 devices, remove the hassle of clamping current probes in awkward places.

There are fixtures and adapters to support every major interface: U.2, M.2, SAS, SATA, AIC and more. We support the latest generations of each interface, so you can be ready to test the newest technologies. [Discover the tools on offer.](#)

We can also create small runs of custom fixtures, ideal for more unusual interfaces—email support@quarch.com or contact your [local reseller](#) for details.

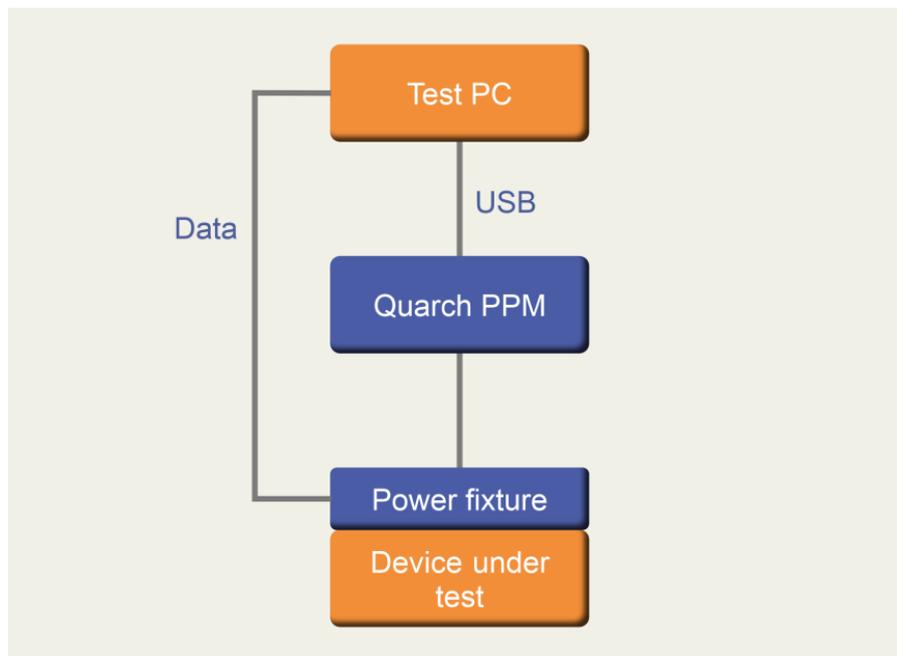


Example test set-ups using PPMs

Here are a few of ways you can set up automated testing using Quarch PPMs—**many other set-ups are possible with this flexible system.**

Tech tip: These examples offer you a small selection of the many options available. [Get in touch](#) with our team of engineers, product advisors, and support staff to discuss your needs in detail.

Single PC set-up, using an XLC PPM or single-output HD PPM

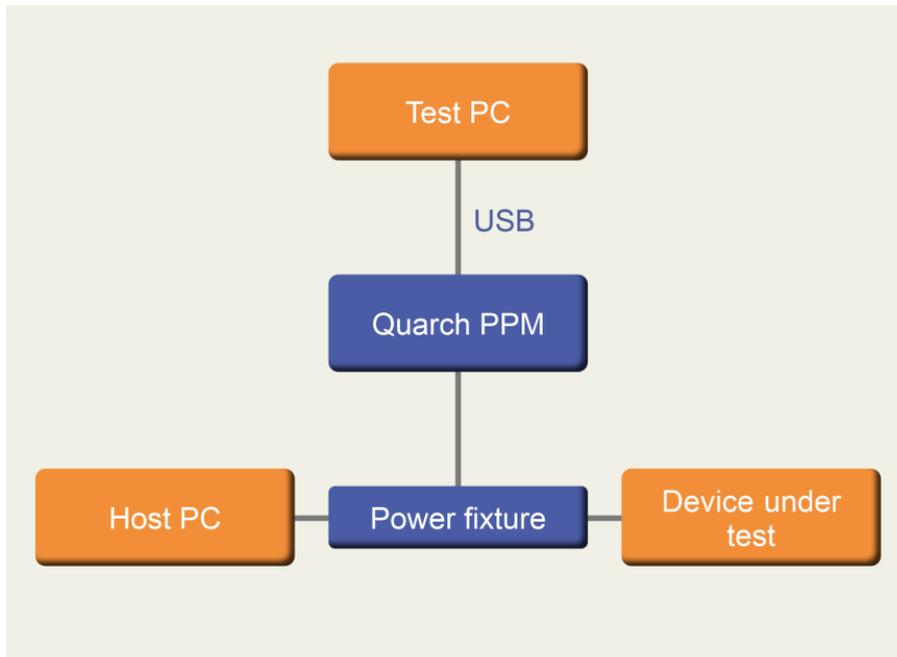


A simple set-up option, using a single PC and DUT.

The PPM software or scripts run on the test PC the DUT is attached to.

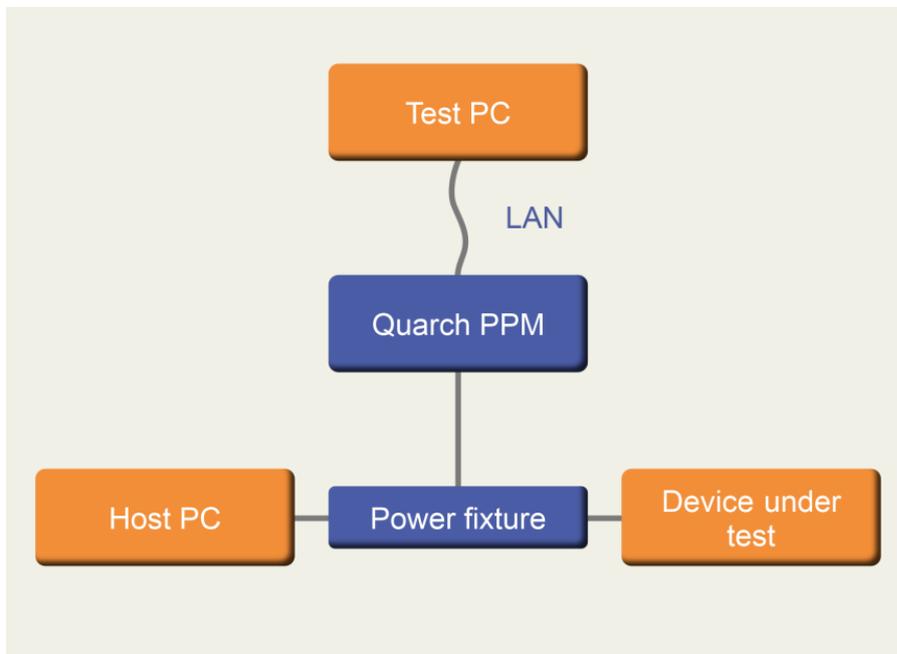
Find out about [Quarch power fixtures](#).

Separate host set-up, using an XLC PPM or single-output HD PPM



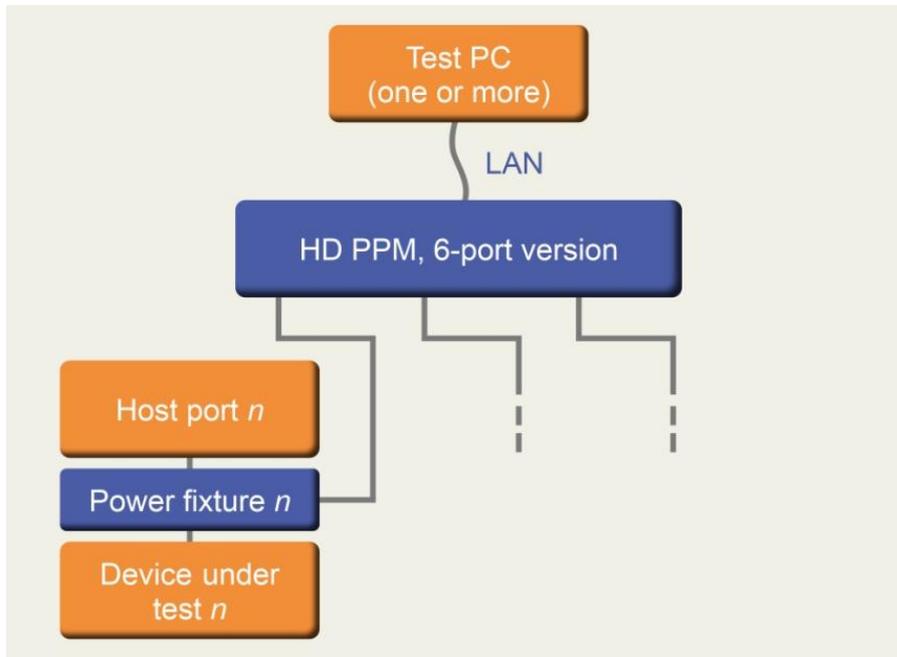
Using a separate control PC; in this set-up, the host PC is 'clean' and doesn't need to run any Quarch software.

Remote set-up, using a single-output HD PPM



Controlling testing remotely; with this set-up, your Quarch PPM could be in a different office or even in a different country.

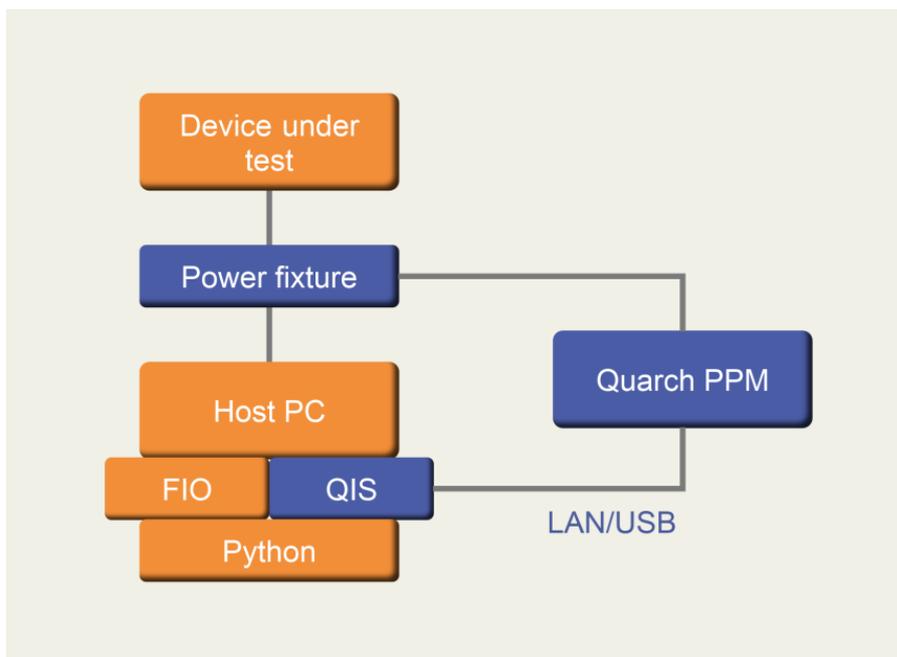
Simultaneous, multi-device testing, using the 6-port HD PPM



Using this set-up, you can test multiple drives in a large test rack, comparing the performance of several drives simultaneously.

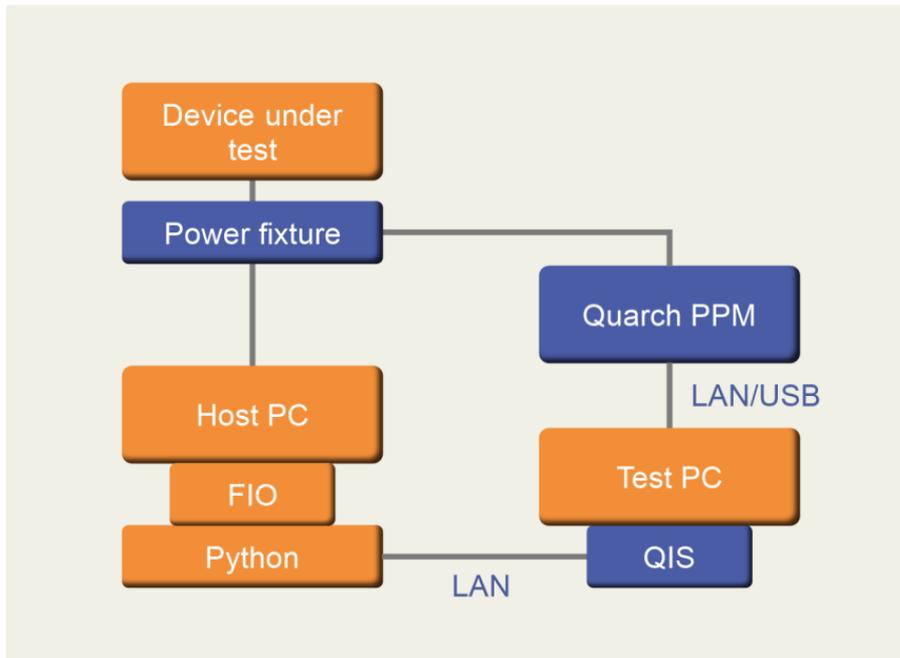
Tech tip: The [six-port, rack-mounted HD PPM](#) allows you to automate a wider range of tests and integrate power testing into existing test racks.

Automation system with traffic generation, using a single-output HD PPM



Here, an automated test example uses scripts for control. FIO drives data profiles to the drive, while [QIS \(Quarch Instrument Server\)](#) is a simple Java application that handles communication with your PPM, allowing easy scripted automation with no additional drivers.

Remote automation system with traffic generation, using a single-output HD PPM



Here, [QIS](#) (Quarch's Java application for handling communication with the PPM) has been moved to a remote PC. This removes the load from the host PC—essential if you are performance testing and do not want additional load.

Tech tip: Haven't found a set-up that matches your needs? [Get in touch](#) with our team of engineers, product advisors, and support staff and tell us what you want to achieve. We'll help you find the best set-up for your needs.

PPM technical specifications

- [Summary technical specification](#) (all PPMs)
- [XLC PPM](#)
- [HD PPM](#)

Arrange a free evaluation or a quote

Depending on your requirements, we can normally supply you with free evaluation kit for a short period of time. To apply, or to arrange a quote, email sales@quarch.com or contact one of our skilled [regional resellers](#).

Need more information?

- [Get in touch](#) with us for answers to your questions
- Find out about [support available from our website](#)
- Download more information from the list below.

Downloads

[Key features of PPMs](#)

[Comprehensive power-testing with Quarch PPMs](#)

[Cost-effective power testing](#)

[Programmable Power Module Vs Scope](#)