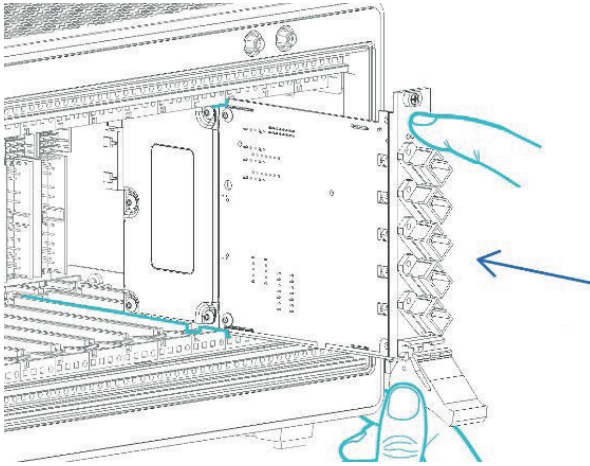


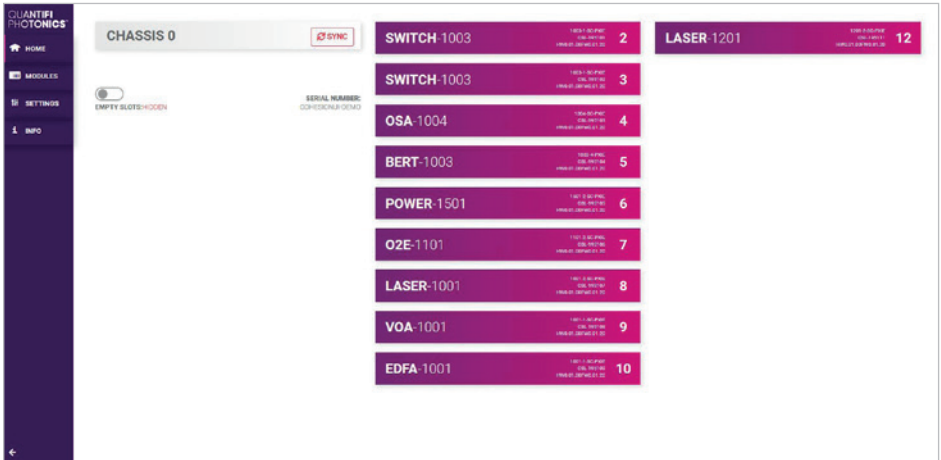
Quick Start

PXIe USER GUIDE



Step 1. Installing the PXIe module.

With the PXI chassis powered OFF,
install the PXIe module into a valid
slot in the chassis.



Step 2. Installing software on the PXI controller PC.

Power ON the PXI chassis. If the PXI controller is a Quantifi Photonics issued unit, log in using the admin credentials:

User: admin

Password: admin

Run the Cohesion Installer .exe file found on the USB drive. This installer contains all of the required drivers and software to support and control Quantifi Photonics modules on the PXI platform.

- **CohesionDriver:** Drivers for Quantifi Photonics PXIe Modules.
- **CohesionSCPI:** VXI11 compliant server for remote SCPI communication.

- **CohesionUI:** Web-based Graphical User Interface.

CohesionUI is a web-based Graphical User Interface, that allows the user to control all installed Quantifi Photonics modules in a PXI chassis.

To use CohesionUI, you need the IP address of the host chassis, with which you can access the chassis either locally or remotely.

```
Administrator: Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\system32>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::dc33:f3a6:69d7:d374%11
    IPv4 Address. . . . . : 10.10.10.109
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 10.10.10.1

Tunnel adapter isatap.{20702B10-43CF-40B9-A7AD-519FFBB9EC7}:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : 

C:\Windows\system32>
```

Step 3. Communication with the PXIe module.

LOCAL COMMUNICATION

To access CohesionUI locally, open a compatible browser (Google Chrome or Microsoft Edge) on the PXI chassis controller and type in <https://127.0.0.1>. Alternatively, you can double-click the desktop icon for CohesionUI or select it from the Start menu.

REMOTE COMMUNICATION

Make sure that the chassis is connected via an Ethernet cable to the network, then open a Command Prompt window and type in **ipconfig** or navigate to the Network properties tab

within the Control Panel. Note down the IP address of the chassis.

To communicate remotely with the PXIe module, use the chassis IP address and one of the following methods:

- CohesionUI - By repeating step 3 and typing in <https://> followed by the chassis IP address (e.g. <https://10.10.10.XXX>).
- NI MAX and LabVIEW environments.
- SCPI commands, addressed over a VXI11 TCP client tools.

For detailed information, check the included User Manual.

Test. Measure. Solve.

Quantifi Photonics is transforming the world of photonics test and measurement. Our portfolio of optical and electrical test instruments is rapidly expanding to meet the needs of engineers and scientists around the globe. From enabling ground-breaking experiments to driving highly efficient production testing, you'll find us working with customers to solve complex problems with innovative solutions.

To find out more, get in touch with us today.

General Enquiries sales@quantifiphotonics.com

Technical Support support@quantifiphotonics.com

Phone +64 9 478 4849

North America +1-800-803-8872



quantifiphotonics.com