

# PXIe

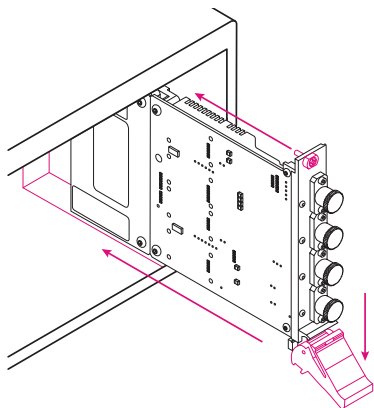
## Quick Start Guide

## Install your PXle module in a PXle-compatible chassis

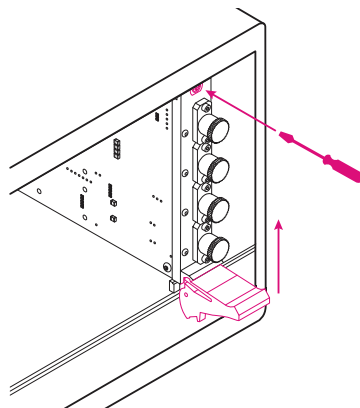
### To prevent product damage:

- Wear a grounded wrist strap at all times when handling the module.
- Store the module in antistatic packaging when not in use.
- Please check for the fiber end-face type of the optical ports, such as PC or APC, and only use the same type optical connector to avoid damaging the end-face.
- Cover unused optical connectors with clean dust caps.

1. Power the chassis OFF.
2. Install the PXle module into a free slot in the chassis.



Push the module into the slot.



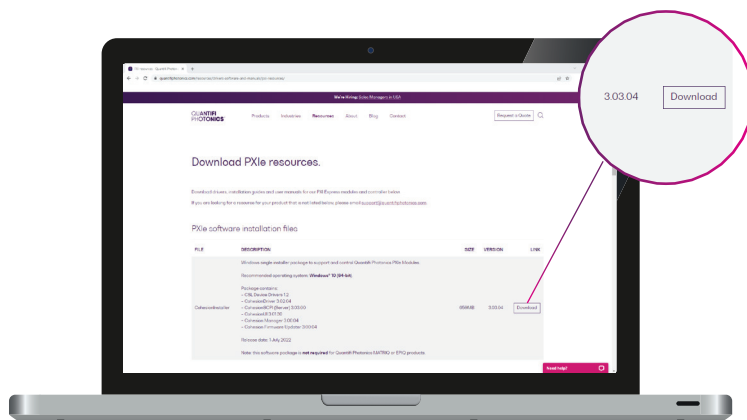
Engage the fastening clip and secure all fastening screws.

## Install the Cohesion Installer software package on the PXIe controller

The software package enables communication between the PXIe controller and Quantifi Photonics modules installed in the chassis.

1. Power the PXI chassis ON.
2. Log into the PXI controller. If it is a Quantifi Photonics issued unit, use admin credentials:
  - User: admin
  - Password: admin
3. Locate and run '**CohesionInstaller-<version\_number>.exe**'
  - on the USB media device provided with the product, or -
  - download it from the Quantifi Photonics website (details below)
4. Follow the on-screen installation prompts. Required drivers, applications, and desktop icons will be installed on the controller.

You can find the software package on [quantifiphotonics.com](https://quantifiphotonics.com), go to Resources > Drivers, software and manuals > PXI Series



## Communicate with your PXle module

You can use the graphical user interface CohesionUI, or SCPI commands.

### CohesionUI (on the PXle controller):

1. Open a supported web browser on the PXle controller, or double-click the CohesionUI desktop icon or select it from the Start menu.
2. Enter **<https://127.0.0.1>** in the address bar.

### CohesionUI (on a remote PC connected to the chassis via Ethernet):

1. Open a supported web browser on a remote PC.
2. Enter the chassis IP address in the address bar, e.g. **<https://10.10.10.123>**

#### To obtain the chassis IP address:

- Open the Command Prompt window on the chassis controller.
- Run the ipconfig command.
- The chassis' IPv4 address will be displayed.



Using the **SCPI Command Console** in CohesionUI, you can send SCPI commands to your PXle module - without any further setup.

### SCPI commands via programming interfaces:

Choose from programming tools such as LabView, C++, Python etc. to work with the instrument's fully SCPI-compliant command set. For details, refer to the user manual.

The screenshot shows the CohesionUI interface for a LASER-1001 module in SLOT 3. The interface is divided into two main sections: CHANNEL 1 and CHANNEL 2. Each channel has a table of parameters and their current values. The parameters are STATE, FREQUENCY, FINE TUNE OFFSET, and POWER. The POWER is set to 10.00 dBm for both channels. The interface also includes a sidebar with navigation options like HOME, MODULES, SETTINGS, and INFO.

Channel	Parameter	Value	Unit
CHANNEL 1	STATE	ON	
	FREQUENCY	191.100000	THz
	FINE TUNE OFFSET	0.000000	THz
	POWER	10.00	dBm
CHANNEL 2	STATE	ON	
	FREQUENCY	193.414500	THz
	FINE TUNE OFFSET	0.000000	THz
	POWER	10.00	dBm

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