

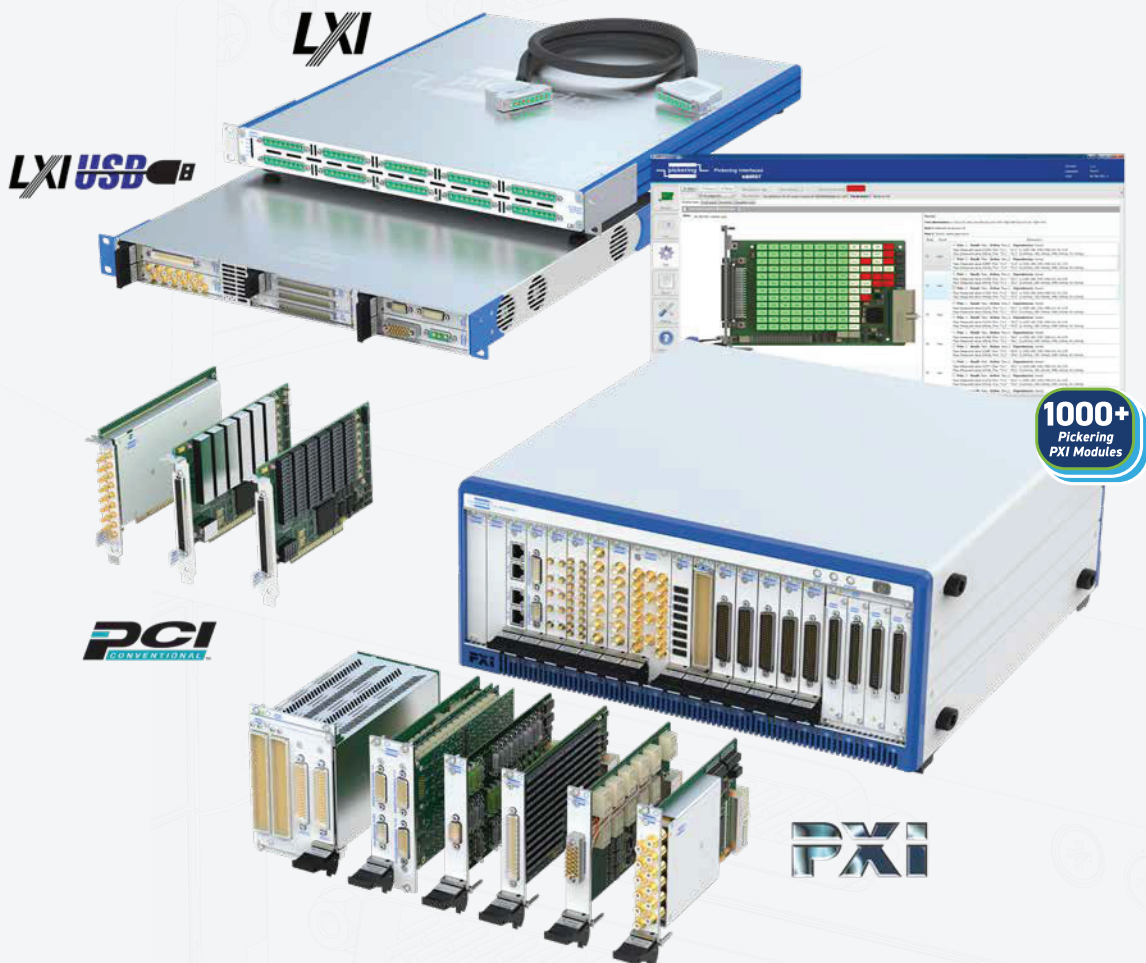
Pickering Interfaces

Modular Signal Switching & Simulation for Electronic Test & Verification

Pickering Interfaces offers you the largest range of switching and simulation products in the industry for PXI, PCI, LXI and USB applications. To support these products, we also provide cable and connector solutions, diagnostic test tools, application software and software drivers.

Established in 1988, we operate globally and all our product design and manufacture is performed in-house, enabling us to offer you guaranteed long-term support. Our products have a history of longevity, typically 15–20 years, and come with a standard 3-year warranty.

We are also the only switch provider with in-house instrumentation-grade reed relay manufacturing capability.



PXI Switching & Simulation

PXI Switching

Choice of over 1000 module types

- General Purpose up to 1kV
- Matrices
- Multiplexers
- RF & Microwave up to 65 GHz
- Optical
- Differential & Telecoms
- Fault Insertion
- 6U Switching



PXI Simulation

• Programmable Resistors for simulation of resistive sensors including:

- Temperature
- Strain
- Pressure
- Load/Force
- Moisture
- Light

- Thermocouple Simulators
- RF and DC Attenuators
- Amplifiers
- Power Supplies
- Battery Simulators
- Digital I/O, Relay Drivers & Prototyping
- Waveform Generation



PXI



LXI Switching

LXI Switching Systems

Ethernet controlled switching solutions

- Low Frequency Matrices
- Multiplexers
- RF & Microwave up to 40 GHz
- Optical
- Custom

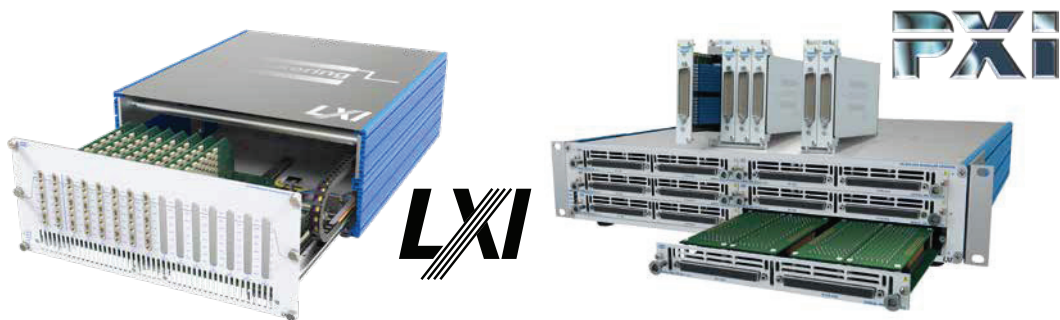


LXI Modular Switching

Our large range of **PXI switching & simulation modules** can be hosted in our **LXI & LXI/USB modular chassis**, allowing remote control over a Gigabit Ethernet or USB3 connection (see our chassis section).

PXI & LXI Scalable Matrices

Our range of PXI & LXI Scalable Matrices offer you large matrix solutions that can be easily reconfigured by the removal and insertion of sub-cards. Each unit is purchased as an empty chassis fitted with the number of sub-cards initially required. As the user's requirements evolve, additional cards can be easily fitted. Most of these large matrices also have the added benefit of Built-In Self-Test.



PXI & LXI Chassis

PXI Modular Chassis

Our 1000+ PXI Switching and Simulation modules with any vendor's PXI compliant chassis as well as a hybrid slot in a PXIe chassis

- We offer 8, 14 and 19-slot versions
- Real-time Operating System support
- Control kits for PCI/PCIe PC slots
- Integrated Module Timing and Synchronization



LXI & LXI/USB Modular Chassis

Pickering LXI & LXI/USB Modular Chassis—accept our 1000+ PXI Switching and Simulation modules

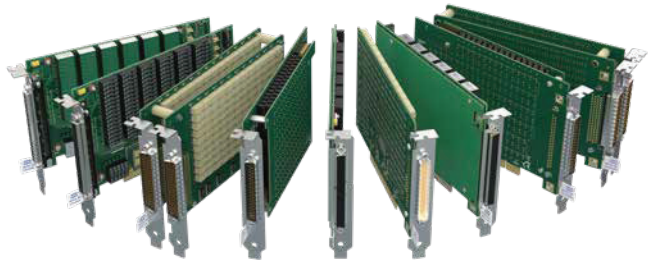
- 2, 4, 6, 7 and 18-slot versions
- Ethernet or USB control enables remote operation
- Low-cost control from practically any controller
- LXI provides manual control via Web browsers
- Driverless software support
- Power sequencing immunity
- Ethernet provides chassis/controller voltage isolation
- Independence from Windows operating system



PCI Switching & Simulation

PCI Switching

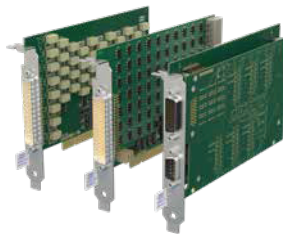
- General Purpose up to 500 V
- Matrices
- Multiplexers
- Fault Insertion
- RF



PCI
CONVENTIONAL™

PCI Simulation

- Programmable Resistors
- Digital I/O
- Waveform Generation



Cables & Connectors

Supporting Cable & Connector Solutions

- Cable Assemblies
- Connectors
- Breakouts
- High Density
- High Voltage
- Power
- RF

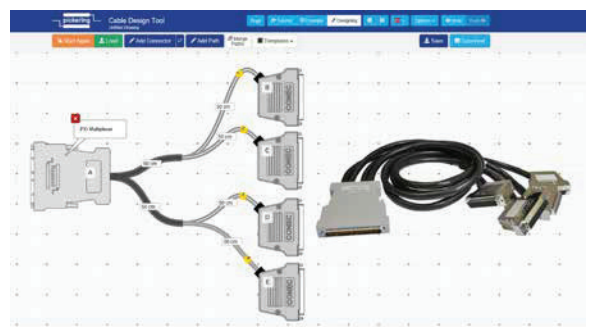
Custom Cable Assemblies

There are times when a standard cable will not do the job adequately. You may have a need for custom cable lengths, specialized connectors and wire types. We have a wide range of defined custom solutions and we are always willing to quote for new designs.

Try our online Cable Design Tool

With this free online tool, you can design your custom cable assembly by using either our built-in library of standard cable sets or create them from scratch.

Go to pickeringtest.com/cdt to give it a try.



Support

Comprehensive Software Solutions

Our commitment to delivering you high-quality products does not just extend to our switching solutions. Our in-house software team has created our Switch Path Manager (SPM) signal routing software, along with application software packages and drivers (available to download free of charge from our website) with a strong focus on ease-of-use and compatibility.

Diagnostic Test Tools for Switching Systems

Verification and diagnosis of complex switching operation in a test system has always been an issue. Our diagnostic test tools provide you with a quick and simple way of finding relay failures within our PXI, PCI and LXI switch systems.

Long-Term Support

Many of you expect your test systems to last at least as long as the products being tested. We understand this need and pride ourselves on the fact that the design and manufacture of all our switching, simulation, software and connectivity products are carried out in-house. These capabilities enable us to provide you with guaranteed long-term support and low obsolescence.

Resources

To help you select the appropriate product from our extensive catalog, we offer an online Product Selector, take a look at pickeringtest.com/products. Our products are also supported by detailed data sheets, operating manuals, as well as access to our in-house team of experienced application engineers. You may want to take a look at the available product Knowledgebase, success stories, white papers, webinars, videos and more at pickeringtest.com/resources.

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