Keysight Technologies
GPIB, USB and Instrument Control Products

Selection Guide

Link up easily to GPIB, USB and RS-232 instruments with Keysight’s instruments control hardware products
Use the color-coded selection guide below to match any instrument perfectly to the recommended instrument control product.

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Model</th>
<th>GPIB to PC via PCI/PCIe®</th>
<th>GPIB to PC via USB</th>
<th>GPIB to PC via LAN</th>
<th>RS-232 to PC via LAN</th>
<th>USB to PC via LAN</th>
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</thead>
<tbody>
<tr>
<td>Digital Multimeters (DMM)</td>
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<td>Oscilloscopes</td>
<td>InfiniiVision 2000 X-Series, 3000 X-Series</td>
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<td>Infinium 9000 Series</td>
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<td>Infinium 9000 H-Series</td>
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<td>Infinium 9000A Series, 90000 X-Series, 90000 Q-Series</td>
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<td>Power supply</td>
<td>E3600 Series, E3640 Series</td>
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<td>Function/Arbitrary Generators</td>
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<td>Frequency Counters</td>
<td>53200 Series</td>
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<td>5313xA, 53181A</td>
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</table>
Selection Guide, continue

Use the color-coded selection guide below to match any instrument perfectly to the recommended instrument control product.

For control via instrument - USB interface

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Model</th>
<th>GPIB to PC via PCI/PCle*</th>
<th>GPIB to PC via USB</th>
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<th>RS-232 to PC via LAN</th>
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</thead>
<tbody>
<tr>
<td>Frequency Counters</td>
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<td>Power Meters</td>
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<td>Power Sensors</td>
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<td>Spectrum Analyzers (Signal Analyzers)</td>
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<td>Network Analyzers</td>
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<td>Signal Generators</td>
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<tr>
<td>Data Acquisition/Switch</td>
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</tbody>
</table>

- 53140 Series, 53150 Series
- EPM Series, EPM-P Series
- N191xA P-Series
- N432A
- 8990B
- U2000 Series, U2020 X-Series, U8480 Series
- N9030A - PXA
- N9020A - MXA
- N9010A - EXA
- N9000A - CXA
- E444xA - PSA Series
- E44xxB - ESA E-Series, ESA L-Series
- N9320B, N9322C
- PNA Series, PNA-L Series, PNA-X Series
- ENA Series
- E5061B
- N518xB MXG X-Series
- N517xB EXG X-Series
- N518xA MXG Series
- E44x8C ESG, E82x7D PSG, E8863D PSG
- 34972A
- 34970A, 3499 Series
- 34980A
- U2300A Series, U2500A Series, U2600A Series
### Selection Guide, continue

Select the right connectivity for your need

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Recommended Use</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GPIB Boards</strong></td>
<td></td>
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</tbody>
</table>
| 82350B | High Performance PCI-GPIB Interface Card | – Maximum GPIB throughput for all configurations  
– Adding GPIB connection for PCI-based PCs or workstations |
| 82350C | High Performance PCI-GPIB Interface Card | – Maximum GPIB throughput for all configurations  
– Standard and low-profile brackets allow flexible connection |
| 82351A | High Performance PCIe-GPIB Interface Card | – Bandwidth-intensive test applications  
– Adding GPIB connection for PCIe-based PCs or workstations |
| 82351B | High Performance PCIe/GPIB card Interface Card | – Bandwidth-intensive test applications  
– Standard and low-profile brackets allow flexible connection |
| **USB Converters** | | |
| 82357B | USB/GPIB Interface | – Easiest GPIB connectivity  
– Notebook computer GPIB connections |
| **LAN Converters** | | |
| E5810B | LAN/GPIB/USB Gateway | – One-box connectivity – remote GPIB, RS-232 and USB connections  
– Sharing of instruments in a distributed system |
| **Cables and Adapter** | | |
| 10833x | GPIB Cables | – 10833A – 1 m  
– 10833B – 2 m  
– 10833C – 4 m  
– 10833D – 0.5 m  
– 10833F – 6 m  
– 10833G – 8 m |
| 10834A | GPIB-to-GPIB Adapter | – Extends the first cable 2.3 cm away from the rear panel to provide clearance for other connectors, switches, and cables. |

### System Topology

Keysight instrument control products help connect your instruments to PC easily, reliably and affordably. From legendary GPIB cables to the one-box connectivity solution, see how each provides seamless integration of your instruments no matter where they are placed in your system.
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www.axiestandard.org
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www.lxistandard.org
LAN eXtensions for Instruments puts the power of Ethernet and the Web inside your test systems. Keysight is a founding member of the LXI consortium.

www.pxisa.org
PCI eXtensions for Instrumentation (PXI) modular instrumentation delivers a rugged, PC-based high-performance measurement and automation system.

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