The 82357A USB/GPIB Interface (and IO Libraries)

Because the 82357A is a standard Plug and Play device, your computer automatically detects it and configures the interface.

**Typical System Installation - 82357 USB/GPIB Interface**

- **Interface VISA/SICL Names**
  - VISA Name: "GPIB0"
  - SICL Name: "gpiB0"

- **Logical Unit**: 7
  - **Bus address**: 21

- **Windows PC**
  - Blue IO Icon

- **USB Cable**
  - **82357A**
  - **Scope address**: 7
  - **ARB address**: 10
  - **Multimeter address**: 22

**Note:**
- **VISA** = Virtual Instrumentation Software Architecture
- **SICL** = Standard Instrument Control Library

After the 82357A is successfully installed and configured, the interface should act as a **transparent** interface for programming GPIB instruments.
### IO Libraries Interface Matrix

This table shows which version of the IO Libraries is recommended based on the IO interface and Operating System used.

<table>
<thead>
<tr>
<th>Interface</th>
<th>Windows Operating System</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td><strong>Product</strong></td>
</tr>
<tr>
<td>USB</td>
<td>USB Instruments*</td>
</tr>
<tr>
<td></td>
<td>82357A GPIB</td>
</tr>
</tbody>
</table>

* USB Instruments are those that support the USBTMC or USBTMC-USB488 specifications.

### IO Libraries Revision Matrix

<table>
<thead>
<tr>
<th>IO Libraries Revision</th>
<th>Supported Operating Systems</th>
<th>Supported Interfaces</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IO Libraries M.01.00</td>
<td>Windows 98 SE Windows Me Windows NT 4.0 Windows 2000 Windows XP</td>
<td>USB Instruments * <strong>82357A USB/GPIB Interface</strong>&lt;br&gt;82350B 5V PCI GPIB Interface&lt;br&gt;82350A PCI GPIB Interface etc.</td>
<td>Added Support:&lt;br&gt;• USB Instruments *&lt;br&gt;• VISA-COM installed with the IO Libraries</td>
</tr>
<tr>
<td>IO Libraries L.02.01</td>
<td>Windows 98 SE Windows Me Windows NT 4.0 Windows 2000 Windows XP Professional</td>
<td><strong>82357A USB/GPIB Interface</strong>&lt;br&gt;82350B 5V PCI GPIB Interface&lt;br&gt;82350A PCI GPIB Interface etc.</td>
<td>Added Support:&lt;br&gt;• 82350B 5V PCI GPIB Interface</td>
</tr>
<tr>
<td>IO Libraries L.02.00</td>
<td>Windows 98 SE Windows Me Windows NT 4.0 Windows 2000 Windows XP Professional</td>
<td><strong>82357A USB/GPIB Interface</strong>&lt;br&gt;82350A PCI GPIB Interface&lt;br&gt;E8510A LAN/GPIB Gateway&lt;br&gt;E2050A/B LAN/GPIB Gateway&lt;br&gt;82341C ISA GPIB Interface&lt;br&gt;(Windows 98 SE, NT 4.0, 2000 only)&lt;br&gt;E1406A VXI Command Module (GPIB)&lt;br&gt;E8491B VXI IEEE 1394 Slot 0 (FireWire)&lt;br&gt;RS-232</td>
<td>Added Support:&lt;br&gt;• <strong>82357A patches</strong>&lt;br&gt;• Basic for Windows&lt;br&gt;• 82350A patches&lt;br&gt;• Agilent T&amp;M Programmers Toolkit for Visual Studio .NET&lt;br&gt;• VISA locking over TCPIP</td>
</tr>
</tbody>
</table>