# Introduction

The PCI-1752USO is a 64-CH source type isolated digital output which provides a 2,500 V isolation protection. It features a wide output range from 5 to 40V, which makes it suitable for industrial automation applications.

## Specifications

<table>
<thead>
<tr>
<th>Isolated Digital Input</th>
<th>64-ch Sink (NPN) Isolated Digital Output</th>
<th>64-ch Source (PNP) Isolated Digital Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channels</td>
<td>64 (16-ch/group)</td>
<td></td>
</tr>
<tr>
<td>Output Type</td>
<td>PCI-1752U: Sink (NPN)</td>
<td>PCI-1752USO: Source (PNP)</td>
</tr>
<tr>
<td>Isolation Protection</td>
<td>2,500 V&lt;sub&gt;DC&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>Output Voltage</td>
<td>5 ~ 40 V&lt;sub&gt;DC&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>Sink/Source Current</td>
<td>200 mA max./channel</td>
<td></td>
</tr>
<tr>
<td>Opto-isolator Response</td>
<td>100 μs</td>
<td></td>
</tr>
</tbody>
</table>

**General**

- Bus Type Universal: PCI V2.2
- I/O Connectors: 1 x 100-pin SCSI female connector
- Dimensions (L x H): 175 x 100mm (6.9" x 3.9")
- Power Consumption: Typical: 5 V @ 230 mA, Max.: 5 V @ 500 mA
- Operating Temperature: 0 ~ 60°C (32 ~ 140°F)
- Storage Temperature: -20 ~ 70°C (-4 ~ 158°F)
- Storage Humidity: 5 ~ 95%, RH non-condensing

## Features

- 64-ch Sink Type (NPN) Isolated Digital Output Module (PCI-1752U Only)
- 64-ch Source Type (PNP) Isolated Digital Output Module (PCI-1752USO Only)
- High-voltage isolation on output channels (2,500 V<sub>DC</sub>)
- Wide output range (5 ~ 40 V<sub>DC</sub>)
- High-sink/source current on isolated output channels (200 mA max./channel)
- Output status readback
- Keeps the output settings and values after system hot reset
- Channel-freeze function
- High-density 100-pin SCSI connector

## Ordering Information

<table>
<thead>
<tr>
<th></th>
<th>PCI-1752U-BE</th>
<th>PCI-1752USO-BE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>64ch Sink(NPN) Type Isolated Digital Output Card</td>
<td>64ch Source(PNP) Type Isolated Digital Output Card</td>
</tr>
</tbody>
</table>

**Accessories**

- PCL-10250-1E | 100-pin SCSI to Two 50-pin SCSI Cable, 1 m
- PCL-10250-2E | 100-pin SCSI to Two 50-pin SCSI Cable, 2 m
- ADAM-3951-BE | 50-pin DIN-rail Wiring Board w/ LED Indicators