**Features**
- PCI Express® x4 compliant
- Support for four independent Gigabit Ethernet ports
- Support for IEEE 1588, PTP technology
- Support for IEEE 802.3af for PoE (Power over Ethernet)
- Support for jumbo frames (9 KByte)
- Support for link aggregation
- Powered Device (PD) auto detection and classification

**Introduction**
ADLINK's GIE64+ is a PCI Express® x4 lane, PoE (Power Over Ethernet) frame grabber which supports four independent Gigabit Ethernet ports for multiple GigE Vision device connections with data transfer rates up to 1000 Mb/s, as found with most GigE Vision cameras.

The GIE64+ features not only PoE (power over Ethernet), combining power and signal supply into a single cable, but also IEEE 1588 (precise time protocol), enabling synchronization with multicamera acquisition. Applications will greatly benefit through reduce cost, simpler installation and lower maintenance.

**PoE Technology**
The PoE (Power over Ethernet) technology in the GIE64+ provides automatic detection for stable and reliable connection between PoE or non-PoE cameras and frame grabbers.

**Benefits of PoE**
- Simplified installation
- Lowered maintenance
- Reduced total cost of ownership

**Applications**
- Machine vision inspection systems
- Scientific research instrumentations
- Medical research instrumentations
- Intelligent transportation systems

**Software Support**
- Windows® Platform
  - Available for Windows® XP/7

**Ordering Information**
- GIE64+
  - 4-CH PCI Express® power over Ethernet frame grabber

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form Factor</td>
<td>PCI Express® x4</td>
</tr>
<tr>
<td>Ethernet Port</td>
<td>Four fully-integrated Gigabit Ethernet Media Access Control (MAC) and physical layer (PHY) ports. Power over Ethernet, IEEE 802.3af compliant, supporting 0, 1, 2, 3, and 4, and providing up to 15.4 watts 9 KB jumbo frame support</td>
</tr>
<tr>
<td>Operating Environment</td>
<td>Temperature: 0 °C to +55 °C  Humidity: 5% to 90% RHNC</td>
</tr>
<tr>
<td>Power Requirements *</td>
<td>3.3 V max @ 1.5 A</td>
</tr>
<tr>
<td>Isolated Voltage (optional)</td>
<td>2250 VDC</td>
</tr>
<tr>
<td>Dimensions</td>
<td>168 mm x 111.15 mm (W x L)</td>
</tr>
</tbody>
</table>

* Additional +12 V max @ 6 A for PoE camera