



## CompactPCI Host Expansion Board

Product #OSS-HEB-3U  
#OSS-HEB-6U



### Description

The 3U CPCI Host Expansion Board (HEB) fits into the system slot of the CPCI chassis and connects through a high-speed PCIe x4 cable to an upstream host.

### Product Features

- Expands the PCI Express bus from a PCIe slot to a CompactPCI system at 20Gb/sec
- Provides complete software transparency between systems with optimal system performance

### Ordering Information

CompactPCI Host Expansion Board  
Product #OSS-HEB-3U  
Product #OSS-HEB-6U  
sales@onestopsystems.com  
Call Toll Free! 1-877-438-2724

### Specifications

<b>CPCI Interface</b>	<ul style="list-style-type: none"> <li>• 32 or 64 bit at 66 or 33MHz</li> <li>• 3.3V I/O only</li> <li>• Internal arbiter supports up to 4 external masters</li> <li>• Four CPCI slots (up to 4 PCI clock/bus requests)</li> <li>• Enhanced Intel SpeedStep Technology</li> </ul>
<b>Cable Interface</b>	<ul style="list-style-type: none"> <li>• Single port x4 link width</li> <li>• 100MHz reference clock</li> <li>• 256 byte maximum payload size</li> <li>• Automatic link training (auto-negotiate to largest common width)</li> <li>• Advance flow control, CRC and error reporting</li> <li>• Molex 75586-0010 connector</li> </ul>
<b>Electrical/ Mechanical Specifications</b>	<ul style="list-style-type: none"> <li>• 3U or 6U CPCI, PICMIG 2.0-compliant, single slot</li> <li>• CPCI system master or peripheral slot</li> <li>• 3U [HxLxW] 3.9 x 6.3 x 0.6" (100 x 160 x 1.6mm)</li> <li>• 6U [HxLxW] 7.8 x 6.3 x 0.6" (200 x 160 x 1.6mm)</li> <li>• PLX PEX 8114 bridge</li> <li>• 32/64-Bit/33/66MHz CPCI bus on connectors J1 &amp; J2</li> <li>• Four green front panel indicators</li> <li>• Automatic downstream select cable dip switches</li> </ul>
<b>Operating Environment</b>	<ul style="list-style-type: none"> <li>• Temperature range: 0° to 50°C (32° to 122°F)</li> <li>• Relative humidity: 5 to 90% non-condensing</li> <li>• Shock: 30g acceleration peak (11ms pulse)</li> <li>• Vibration: 5-17 Hz 0.5" double amplitude displacement; 7-2000Hz, 1.5g acceleration</li> </ul>
<b>Operating System</b>	OS independent and transparent
<b>Power Supply</b>	Type and cableless design
<b>Designed to meet</b>	•UL 60950, FCC Class B, CE safety and emissions

