



## Expansion Link Board (ELB)

Product #OSS-ELB-3U  
OSS-ELB-6U



### Description

3U or 6U Expansion Link Board for PCIe with two x4 PCIe cable links and auto-configurable PCIe backplane connectors.

### Product Features

- PICMG EXP.0 system slot compliant
- x4 PCI Express PCI-SIG compliant cable Uplink
- Configurable 2x8 or 4x4 PCI Express links to the backplane
- 10Gbps cable bandwidth
- 3U or 6U form factor

### Ordering Information

3U PCIe Expansion Link Board

Product #OSS-ELB-3U

6U PCIe Expansion Link Board

Product #OSS-ELB-6U

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### Specifications

<b>Form Factor</b>	• 3U/6U PCIe, PICMG EXP.0 compliant, resides in the PCIe system slot
<b>Board Dimensions (H x L x W)</b>	• 3U: 3.937 x 6.3 x .062 in (100 x 160 x 1.6 mm), 1 slot wide • 6U: 9.2 x 6.3 x .062 in (233 x 160 x 1.6 mm), 1 slot wide
<b>Switch</b>	• PLX PEX8532 32 lane switch
<b>External Interface</b>	• Two x4 PCIe Cable Rev. 0.5 ports
<b>Downstream Interface</b>	• 16 lanes of PCI Express on the backplane connectors are auto configurable on the card edge connectors as: • Two port configuration: one x8, one x16 link • Four port configuration: four x4 links
<b>Front Panel Connectors</b>	• Molex 75586-0010
<b>Front Panel Indicators</b>	• Eight LED active link indicators (green)
<b>Internal Indicators</b>	• Power in-range indicators for +12V, +3.3V, +5V & VTT (red/green) • Power on indicator for +1V (green) • Bank of 5 board status indicators (red)
<b>Operating Environment</b>	• Temperature Range: 0° to 70°C (32° to 122°F) • Relative Humidity: 10 to 90% non-condensing • Shock: 30g acceleration peak (11ms pulse) • Vibration: 5-17 Hz 0.5" double amplitude displacement; 7-2000Hz, 1.5g acceleration
<b>Power Consumption</b>	• 15W typical; +12V @ .5, 3.3V @ 1.25A, 5Vaux @ 2.5mA
<b>Designed to meet</b>	• UL 60950, FCC Class B, CE safety and emissions

