

Bridge-PCIe104

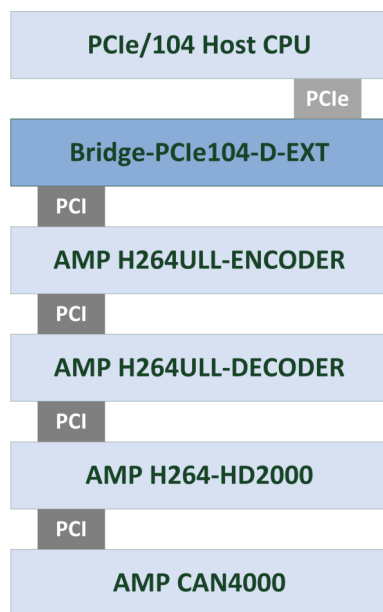
PCIe/104 to PCI-104 Bridge



**Advanced Micro
Peripherals**

THE EMBEDDED VIDEO EXPERTS

The Bridge-PCIe104 is a PCIe/104 to PCI-104 bridge module that allows the use of PCI-104 peripheral boards on PCIe/104 systems. The Bridge-PCIe104 allows AMP's range of proven PCI-104 video boards to be employed on the latest PCIe/104 CPU host boards.



Bridge-PCIe104 Application – Mobile Video Surveillance

The Bridge-PCIe104 uses a single PCIe x1 Lane and supports up to 4 peripheral PCI-104 cards. The provided PCI interface is a full PCI implementation allowing the peripheral PCI-104 modules to be used as full PCI masters for high performance video capture and compression and other applications.

The Bridge-PCIe104 is available in both top and bottom stacking models for flexible system construction. The Bridge-PCIe104 is natively supported in Windows and Linux and does not require any additional drivers.

Rev A.00

Subject to change without notification

Advanced Micro Peripherals Ltd
Cambridge, CB6 2HY, England
Tel (+44) 1353 659500
Fax (+44) 1353 659600
sales@amp ltd.com
<http://www.amp ltd.com>

Advanced Micro Peripherals Inc
New York, NY10016, USA
Tel (+1) 212 951 7205
Fax (+1) 212 951 7206
sales@amp-usa.com
<http://www.amp-usa.com>



Supports 4
PCI-104
Peripheral Cards

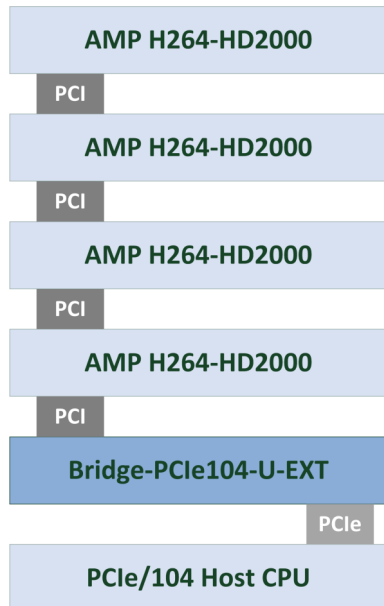
Bridge-PCIe104

PCIe/104 to PCI-104 Bridge



**Advanced Micro
Peripherals**

THE EMBEDDED VIDEO EXPERTS



Bridge-PCIe104 Application — 8 Channel HD Video Encoder

Single PCIe x1

Lane to full

PCI Bus

Interface

Features

PCI Express (PCIe) bridge to PCI-104 32bit bus

Supporting 4 PCI Bus master modules

Uses a single PCIe x1 Lane

Allows use of proven PCI-104 cards in PCIe104 systems

Available in top and bottom stacking configurations

Natively supported in Windows and Linux

Advanced Micro Peripherals Ltd
Cambridge, CB6 2HY, England
Tel (+44) 1353 659500
Fax (+44) 1353 659600
sales@amp ltd.com
<http://www.amp ltd.com>

Advanced Micro Peripherals Inc
New York, NY10016, USA
Tel (+1) 212 951 7205
Fax (+1) 212 951 7206
sales@amp-usa.com
<http://www.amp-usa.com>



PCI/104-Express Bus Interface

Single x1 PCI Express Link
PCIe Gen 2.0
2.5Gbps data rate

PCI-104 Bus Interface

32-bit 33Mhz PCI Bus
Four Bus Master peripheral cards

Mechanical

Standard 3.6 x 3.8in PCI/104-Express form factor
Single +5V supply
Operating temp -40°C to $+85^{\circ}\text{C}$

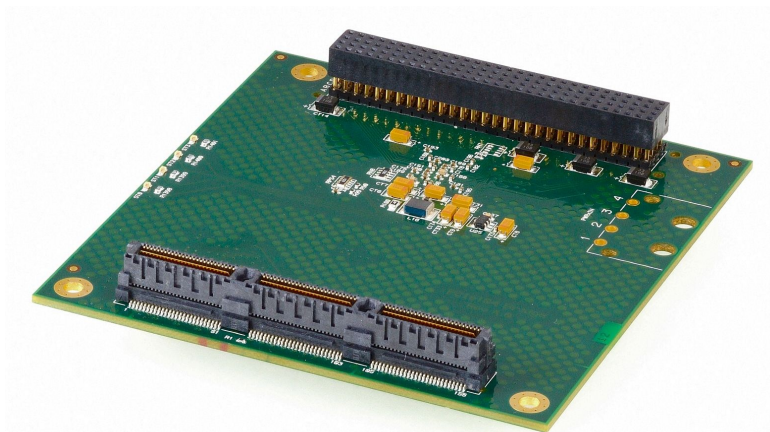
Ordering Information

Bridge-PCIe104-U-EXT

PCIe/104 to PCI-104 Bridge, PCI-104 stack up
(-40°C to $+85^{\circ}\text{C}$)

Bridge-PCIe104-D-EXT

PCIe/104 to PCI-104 Bridge, PCI-104 stack down
(-40°C to $+85^{\circ}\text{C}$)



Bridge-PCIe104