



NEWS RELEASE

For Immediate Release

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TRENTON PCI Express® Backplanes Expand x16 Video and GPU Card Support

BPG7087 and BPG8032 backplanes are key system building blocks delivering maximum PCI Express interface speeds and low latencies in Mil-COTS, video wall controller and GPU system applications.

Atlanta, GA [January 26, 2012] – The Trenton [BPG7087](#) and [BPG8032](#) industrial backplanes are now available for use in military & aerospace, general-purpose GPU and video display wall systems. These backplanes are the backbone of [rackmount computer systems](#) that support high-performance option cards with PCI Express x16 electrical interfaces. The design of each PCI Express backplane delivers outstanding system bandwidth while ensuring fast data transfers with minimum latencies at full PCIe x16 link speeds. The backplanes support a wide array of PICMG® 1.3 single board computers including Trenton’s single processor [TSB7053](#) and dual processor [JXT6966](#). A system designed with a BPG7087 or BPG8032 backplane, COTS PCI Express option cards and Trenton single board computers provides the speed, flexibility and faster Mean Time To Repair (MTTR) critical in applications such as military surveillance, video display walls, machine vision, silicon wafer manufacturing and medical diagnostic systems.

Here is an abbreviated features list for the Trenton BPG7087 and BPG8032 industrial backplanes:

	BPG7087	BPG8032
x16 PCIe cards	Full link speed support for up to four x16 cards	Full link speed support for up to seventeen x16 cards
Option Card slots	Ten, PCIe 2.0, x16 mechanical slots with four x16 and six x4 PCI Express Gen2 electrical interfaces	Eighteen PCIe 2.0, x16 mechanical slots with seventeen x16 and one x4 PCIe 2.0 interfaces
Backplane Size	12.3” (31.2cm) x 12.9” (32.8cm)	16.4” (41.6cm) x 12.9” (32.8cm)
Advantages	Latest PCI Express switch technology ensures maximum data throughput speeds with superior communication link integrity	Latest PCI Express switch technology ensures maximum data throughput speeds with superior communication link integrity

All [Trenton PICMG 1.3 backplanes](#) are designed for 7+ year availability and come with a five-year factory warranty.

“Trenton backplanes are known throughout the industry for reliability and interface communication integrity”, said Brad Trent, Trenton Director of Engineering. “The BPG7087 and BPG8032 give our customers a couple of great design options for their system solutions utilizing x16 PCI Express option card and single board computer technology.”

About Trenton

Trenton is a designer and manufacturer of rackmount computer systems, GPGPU solutions, video wall controllers, embedded motherboards, single board computers, system host boards and backplanes for critical embedded computing applications. Trenton is a member of the Intel® Embedded Alliance, a community of communications and embedded developers and solution providers.

For more information about our company, or any Trenton product, call (800) 875-6031 or (770) 287-3100. Please visit our website at www.trentontechnology.com or follow us on:



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