

89KTPES32T8G2 Active

Evaluation Board SDK for the 89H32T8G2

The 89EBPES32x8G2 Evaluation Board (also referred to as EB32x8G2) provides an evaluation platform for the PES32T8G2 and PES32H8G2 switches. It is also a cost effective way to add PCIe ports (slots) to an existing system with a limited number of PCIe ports/slots. The EB32x8G2 board is designed to function as an add-on card to be plugged into a x8 PCIe slot available on a motherboard hosting an appropriate root complex and microprocessor(s). The EB32x8G2 is a vehicle to test and evaluate the functionality of the PES32x8G2 switch. Customers can use this board to get a headstart on software development prior to the arrival of their own hardware. The EB32x8G2 is also used by IDT to reproduce system-level hardware or software issues reported by customers.

Features

- **Hardware**
 - PES32x8G2 PCIe Gen2 switch
 - Upstream, Downstream Port
 - Numerous user selectable configurations set using onboard jumpers and DIP-switches
 - SMBUS Slave Interface (4 pin header)
 - SMBUS Master Interface connected to the Serial EEPROMs through I/O expander
 - “Attention” button for each downstream port to initiate a hot swap event on each port
 - Four pin connector for optional external power supply
 - Push button for Warm Reset
 - Several LEDs to display status, reset, power, “Attention”, etc.
 - One 10-pin JTAG connector (pitch 2.54 mm x 2.54 mm)
- **Software**
 - Installation programs
 - GUI based application for Windows and Linux

Product Options

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89KTPES32T8G2	Active	Availability

Technical Documentation

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Title	Other Languages	Type	Format	File Size	Date
User Guides & Manuals					
89EBPES32x8G2 Eval Board User Manual - Fab # 18-678-000	-	Manual - Eval Board	PDF	2.28 MB	May 6, 2009
PCI Express Browser Rev 5.0.2 User Manual	-	Manual	PDF	2.49 MB	Dec 2, 2010
Other					
IDT PCI Express Solutions Overview	日本語, 简体中文	Overview	PDF	768 KB	Apr 19, 2017

Software & Tools

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Title	Other Languages	Type	Format	File Size	Date
PCI Express Browser Rev 5.0.2 Windows Installation - Digitally Signed	-	Software Tool	ZIP	104.57 MB	Jun 16, 2011
PCI Express Browser Rev 5.0.2 Windows		Software			

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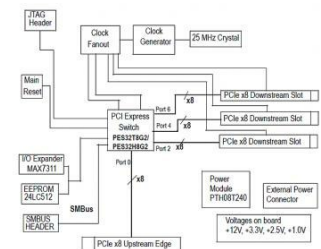
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Images

89KTPES32T8G2 Eval Board Functional Diagram



Title		Other Languages	Type	Format	File Size	Date
Installation		-	Tool	ZIP	54.45 MB	Dec 2, 2010
PCI Express Browser Rev 4.9 Linux Installation		-	Software Tool	ZIP	48.85 MB	Jan 18, 2009

Related Products

Product ID	Title ▼
89H32T8G2	32-lane, 8-port Gen2 PCIe I/O Expansion Switch