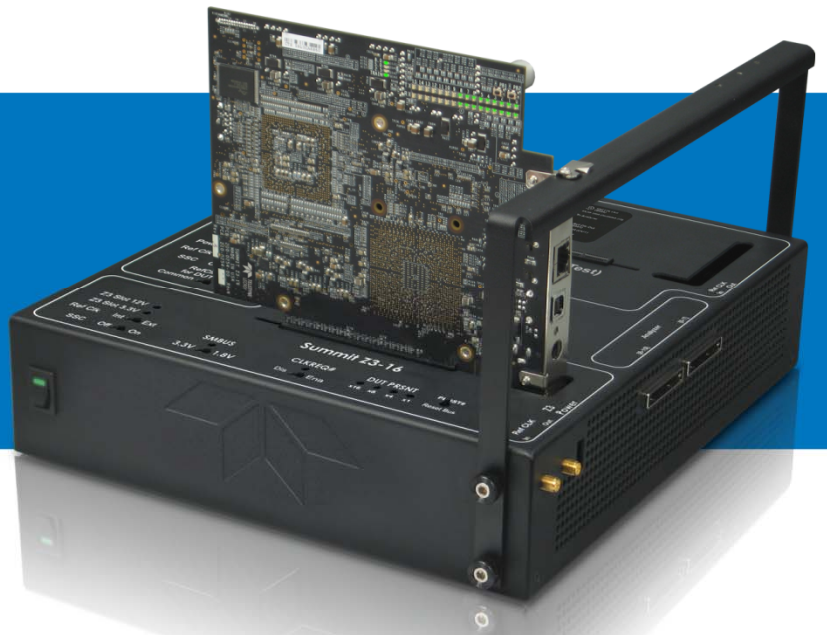


PCI Express® 3.0 Test Platform

for Summit™ Z3-16 Exerciser with SMBus Support



Key Features

- Accessory to Summit Z3-16 Exerciser allows test and debug of PCI Express cards by providing host emulation
- Supports PCIe® 3.0 (all standard data rates up to 8.0 GT/s)
- Supports link widths of x1, x2, x4, x8 and x16
- Supports CLKREQ# and SRIS
- Provides mechanical support and power for both the Summit Z3-16 Exerciser and the device under test (DUT)
- Allows for use of internal or external reference clocks
- Supports SMBus when used with Summit Z3-16 and Summit T34 with optional SMBus software licenses

Teledyne LeCroy's PCI Express 3.0 Test Platform for the Summit Z3-16 Protocol Exerciser provides a convenient, powerful and flexible test platform for PCI Express devices at data rates up to 8.0 GT/s and link widths up to x16. The Test Platform allows the Summit Z3-16 Exerciser to act as a host system, enabling extensive protocol-level testing of PCIe devices. In addition, there is a complete PCIe 3.0 protocol analyzer interposer built into the platform, with iPass connectors with support for link widths up to x16.

For use as a host emulator, the Summit Z3-16 Exerciser is plugged into the dedicated lower PCIe x16 slot and connected to the power source provided on the Test Platform. The DUT is plugged into the upper PCIe slot, and connected to either the 6-pin or the 8-pin 12V power sources provided on the Test Platform.

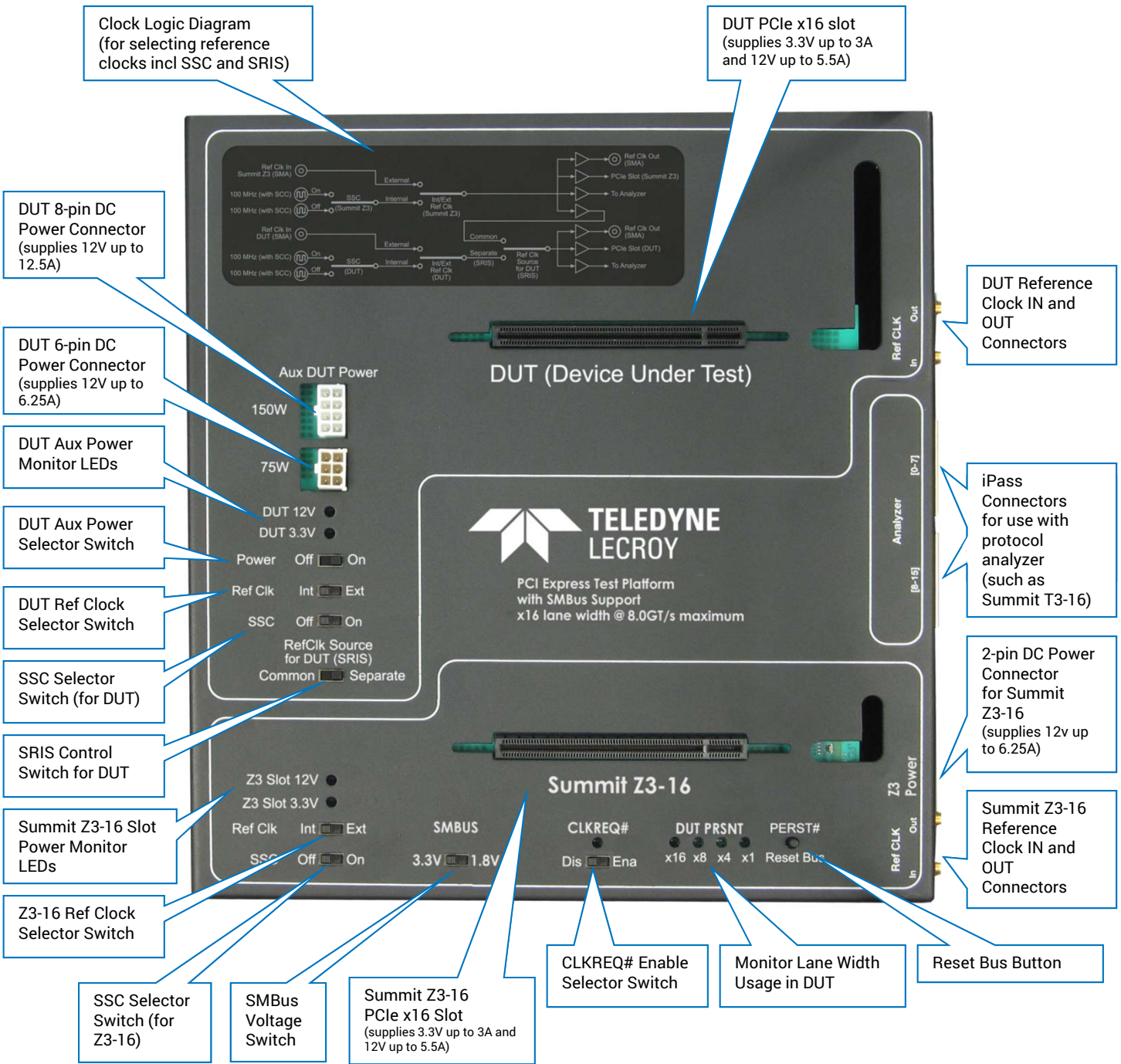
Switches on the platform allow the user to select internal or external reference clocks separately for the Summit Z3-16 and DUT and control power to the DUT. Connectors on the platform include two PCIe x16 slots, dual Ref Clock IN and OUT, dual iPass connectors for connection to a Teledyne LeCroy protocol analyzer

such as the Summit T3-16, and DC power connectors (2-pin for the Summit Z3-16, and the choice of 6-pin or 8-pin for the DUT). An additional new feature of the PCI Express 3.0 Test Platform and Summit Z3-16 Exerciser is the ability to generate power cycles to the DUT, useful in testing device management of power failure and re-initialization.

In addition to using the Test Platform with the Teledyne LeCroy Summit Z3-16, the user can connect two of their own devices and use the Test Platform as a PCIe backplane and as an interposer to capture protocol traffic between the systems.



TEST PLATFORM CONTROLS AND FEATURES



Ordering Information

Product Description

PCI Express Test Platform (for use with Summit Z3-16, hardware supports CLKREQ#/SRIS and SMBus/NVMe-MI, which can be decoded and displayed with software license as shown below)

Summit Z3-16 (licensed as a Gen3 x16 Exerciser, supports CLKREQ#/SRIS and SMBus/NVMe-MI with license below)

Summit Z3-16 MCTP SMBus/NVMe-MI Option

Product Code

PE052UEA-X

PE070AGA-X

PE181SUA-X



1-800-909-7211
teledynelecroy.com



Local sales offices are located throughout the world.
Visit our website to find the most convenient location.