

Summit™ T28 Protocol Analyzer for PCI Express® 2.0



Key Features

Find errors fast

- One button error check
- Fast upload speed
- Large trace memory
- Powerful triggering/filtering

See and understand the traffic

- Get useful information
- More choices of data views
- More ways to analyze data
- Verification Script Engine included

Accurate data capture

- 100% data capture
- Data rates of 2.5 GT/s and 5 GT/s
- Lane widths from x1 to x8

The most extensive suite of probing accessories in the PCIe protocol industry

- Backward compatible with existing Teledyne LeCroy PCI Express probes for 2.5 and 5.0 data rates

The new compact Summit T28 Protocol Analyzer features a small form factor while maintaining the same software analysis and data display features found in the high-end Summit T3-16 protocol analyzer. The Summit T28 protocol analyzer supports PCIe® data transmission rates up to 5 GT/s and data lane widths up to x8 in a single compact unit.

The new Summit T28 protocol analyzer provides a solution for system implementers by providing powerful data capture and analysis. The Summit T28 also supports upgrade paths from base units to higher data rates and larger lane size to protect your investment in protocol analysis as your product requirements change. This flexible licensing allows you to get the features you need at a budget you can afford to get the job done.

The Summit T28 supports all existing Teledyne LeCroy PCIe 1.0 and 2.0 application-specific interposers and probes which allow quick and easy connection to a wide variety of different physical designs. Embedded board developers working with MicroTCA, ATCA, VPX, XMC and similar form factors will appreciate this low cost analysis tool's large portfolio of interposers. Each interposer is designed for reliable data transmission between hosts and devices and for quick set up times for testing new hosts or new devices.



The Summit T28 protocol analyzer includes the same powerful PCIe Protocol Suite Software with full analysis and data view capability included on Teledyne LeCroy's most advanced PCI Express protocol analysis systems.

Specifications

Host Machine Minimum Requirements	Microsoft Windows® 8, Windows Server 2012, Windows 7, Windows Server 2008R2, Windows XP; 2 GB of RAM; Storage with at least 200 MB of free space for the installation of the software and additional space for recorded data; display with resolution of at least 1024x768 with at least 16-bit color depth; and USB 2.0 port. For optimal performance, please refer to our recommended configuration in the product documentation.
Recording Memory Size	4 GB
Data Rates Supported	2.5 GT/s and 5 GT/s
Front Panel LEDs	Power, Status, Trigger, Upstream Data Activity (8 LEDs for Lane Activity, 2 LEDs for data rate), Downstream Data Activity (8 LEDs for Lane Activity, 2 LEDs for data rate)
Front Panel Connectors	Upstream and Downstream iPass x8 Ports, Upstream RefClk IN SMA, Downstream RefClk IN SMA
Rear Panel Connectors	USB 2.0 Connection to Host PC, CrossSync IN Connector, CrossSync OUT Connector, Trigger IN SMA, Trigger OUT SMA, 12V DC Power
Dimensions (W x H x D)	277 x 51 x 196 mm (10.9" x 2.0" x 7.7")
Weight	1.2 Kg (2.65 lbs)
Power Requirements	External 12V power (adapter supplied)
Environmental	Operating: 0 to 55°C (32 to 131°F) Non-operating: -20 to 80°C (-4 to 176°F) Humidity: 10 to 90% non-condensing



Summit T28 Rear Panel

Ordering Information

Product Description	Product Code
Summit T28 (licensed as a Gen2 x8 analyzer, no probes or cables)	PE070AAA-X
Summit T28 (licensed as a Gen2 x4 analyzer, no probes or cables)	PE071AAA-X
Summit T28 (licensed as a Gen2 x1 analyzer, no probes or cables)	PE072AAA-X
Summit T28 (licensed as a Gen1 x8 analyzer, no probes or cables)	PE073AAA-X
Summit T28 (licensed as a Gen1 x4 analyzer, no probes or cables)	PE074AAA-X
Summit T28 (licensed as a Gen1 x1 analyzer, no probes or cables)	PE075AAA-X



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