

Summit™ T24 Protocol Analyzer for PCI Express® 2.0



Key Features

- **Find errors fast**
 - One button error check
 - Fast upload speed
 - Check Link Status quickly
 - 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 x1, x2 and x4
- **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 ultra compact Summit T24 Protocol Analyzer features a very 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 T24 protocol analyzer supports PCIe® data transmission rates up to 5 GT/s and data lane widths up to 4 lanes in a single compact unit.

The new Summit T24 protocol analyzer provides a solution for system implementers by providing powerful data capture and analysis. The Summit T24 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 T24 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 T24 protocol analyzer includes the same powerful PETracer™ 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	2 GB
Data Rates Supported	2.5 GT/s and 5 GT/s
Front Panel LEDs	Power, Status, Upstream Data Activity (4 LEDs for Lane Activity, 2 LEDs for data rate), Downstream Data Activity (4 LEDs for Lane Activity, 2 LEDs for data rate)
Front Panel Connector	iPass x4 Port (uses x4-to-x8 Straight iPass Cable, Part Number: PE013UCA-X)
Rear Panel Connectors	USB 2.0 Connection to Host Machine, Sync/Data Connector, 12V DC Power
Dimensions (W x H x D)	158 x 44 x 228 mm (6.2" x 1.7" x 9.0")
Weight	0.76 Kg (1.68 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

Ordering Information

Product Description

Summit T24 (licensed as a Gen2 x4 analyzer, no probes or cables)
Summit T24 (licensed as a Gen2 x1 analyzer, no probes or cables)
Summit T24 (licensed as a Gen1 x4 analyzer, no probes or cables)
Summit T24 (licensed as a Gen1 x1 analyzer, no probes or cables)

Product Code

PE076AAA-X
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**Local sales offices are located throughout the world.
Visit our website to find the most convenient location.**