Thunderbolt 3 PCIe Gen3 Digitizers

TB3 – RazorMax

Includes:
Digitizer Card,
Thunderbolt 3 PCIe Box,
Thunderbolt 3 USB-C Cable

TB3 – EON

Includes:
Digitizer Card,
Thunderbolt 3 PCIe Box,
Thunderbolt 3 USB-C Cable

Order Model #:	TB3-RMX165020	TB3-RMX161G20	TB3-RMX165040	TB3-RMX161G40	TB3-ENE123G20	TB3-ENE126G10
A/D Resolution:	16-Bit	16-Bit	16-Bit	16-Bit	12-Bit	12-Bit
# of Channels (CH):	2	2	4	4	2	1
Max. Sample Rate per CH:	500 MS/s	1 GS/s	500 MS/s	1 GS/s	3 GS/s	6 GS/s
CH Input Bandwidth:	350 MHz	700 MHz	350 MHz	700 MHz	1.75 GHz	1.75 GHz
Onboard Sample Memory:	4 GS (8 GB)	4 GS (8 GB)	4 GS (8 GB)	4 GS (8 GB)	2 GS (4 GB)	2 GS (4 GB)

Additional options and configurations are available.

We now support Thunderbolt 3, the exciting new high-speed 5 GB/s PC interface, for use with all GaGe PCIe Digitizers. The Thunderbolt 3 interface is found on the following convenient PC system device form factors:
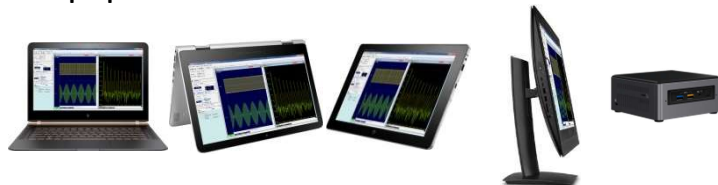
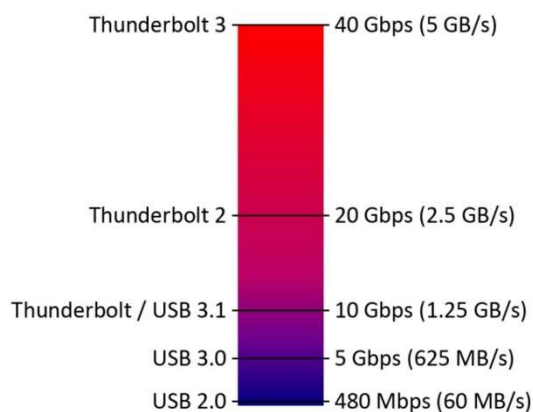**Laptops   2-in-1s   Tablets   All-in-Ones   Mini PCs**

Thunderbolt 3 is a new PC interface standard that provides the ability to utilize our highest performance PCIe instruments with compact PC systems with limited or no PCIe expansion slots.

All GaGe high-speed PCIe Digitizers are now supported by this new Thunderbolt 3 expansion platform.

With the new Thunderbolt 3 interface, the best performance will be obtained by using our PCIe Gen3 products, the 16-bit 1 GS/s RazorMax Express or 12-bit 6 GS/s EON Express. We are now offering these in a pre-configured package that includes the Thunderbolt 3 PCIe Gen3 Expansion Box and Thunderbolt 3 cable, bundled as a single part number. These models are detailed in the table above.

Thunderbolt 3 provides the largest bit-rate capacity interface possible at up to 40 Gbps (5 GB/s) over a USB-C connector to support a variety of protocols including PCI Express (PCIe).

Thunderbolt 3	40 Gbps (5 GB/s)
Thunderbolt 2	20 Gbps (2.5 GB/s)
Thunderbolt / USB 3.1	10 Gbps (1.25 GB/s)
USB 3.0	5 Gbps (625 MB/s)
USB 2.0	480 Mbps (60 MB/s)

In Thunderbolt 3 mode, up to four lanes of PCIe Gen3 is supported for a maximum rate of 32 Gbps (4 GB/s); making it an ideal match for optimal data transfer performance of high-speed GaGe PCIe Gen3 Digitizers to connected PC devices.

Thunderbolt 3 is an exciting new high-speed interface standard, so please contact our sales team for recommendations on Thunderbolt 3 capable PC devices, or to check whether your PC solution is compatible.

WUNTRONIC

Mess, Steuer- und Regelgeräte GmbH