

cronologic

TimeTagger4-2G
TimeTagger4-1G

Product Brief



TimeTagger

TimeTagger4-1G-PCle



The TimeTagger4-1G-PCle is a high bandwidth, low cost common start time-to-digital converter (TDC). The timestamps of leading or trailing edges of digital pulses are recorded with a single shot time resolution of 1000 ps.

Facts

Channels	1 AC-coupled start channel 4 AC-coupled stop channels
Dead-time btw. hits on same channel	2 ns
Default range	8,388 μ s
Max. start frequency	250 Mhz
L0 FIFO	1000 words/channel
L2 FIFO	1000 words
TDC binsize	500 ps
TDC timing resolution	1000 ps
Connectors	5x LEMO 00
Throughput	200 Mbyte/s
Form factor	PCIe 1.1 x1, bus master

TimeTagger4-2G-PCle



The TimeTagger4-2G-PCle is a high bandwidth, low cost common start time-to-digital converter (TDC). The timestamps of leading or trailing edges of digital pulses are recorded with a single shot time resolution of 500 ps.

Facts

Channels	1 AC-coupled start channel 4 AC-coupled stop channels
Dead-time btw. hits on same channel	1 ns
Default range	8,388 μ s
Max. start frequency	250 Mhz
L0 FIFO	1000 words/channel
L2 FIFO	1000 words
TDC binsize	500 ps
TDC timing resolution	500 ps
Connectors	5x LEMO 00
Throughput	200 Mbyte/s
Form factor	PCIe 1.1 x1, bus master

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