

T125

125 picosecond Time-to-Digital Converter with PCIe data transfer

The Blue Sky Electronics **T125** is a high-performance time-to-digital converter with programmable real-time pulse processing capability and high speed PCI express data transfer. Optimized for automated data acquisition to disk, the T125 can acquire, process and transfer thousands of scans with no intervention by the host PC.

Key Performance Specifications:

- 125 ps bin widths, 1 channel
- 125 ps dead time
- > 200M event/sec data transfer
- Flexible stand-alone chassis
- Internal or external scan trigger
- Low power

Real-Time Digital Pulse Processing:

- Slewing correction
- Signal Averaging and Compression
- Custom

Applications:

- Time-of-Flight Mass Spectrometry
- Collider physics
- LIDAR
- Microscopy
- Fast, wideband pulse acquisition

