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Supported MT200 PC and Hardware Configuration for SymPhoTime 64

NOTE: When upgrading your system we strongly encourage you to do so by purchasing a pre-tested PC from PicoQuant. While we try our best to support custom PC setups we cannot guarantee that all the components will work together.

Supported OS

- Win10: YES
- Win8: YES
- Win7 64bit: YES
- Win7 32bit: NO
- WinXP: NO

Supported Hardware (for MicroTime200):

Harps (TCSPC units)

PicoHarp 300

- For imaging, only supported with Router PHR800
- Supported for point measurements (e.g. FCS)

HydraHarp 400

- Fully supported with firmware version 2.xx and higher

TimeHarp 260 (Pico Dual and Nano Dual)

- Fully supported

MultiHarp 150

- Fully supported

Scanner (tested)

- Controller: E727
- Controller: E725
- Controller: E710
- Controller: C867.2U2 (PI wide range scanner)
- Controller: C867.262 (PI wide range scanner)
- xy-Stage: P733
- z-Stage: Pifoc P725
- PicoQuant FLIMbee galvo scanner

Scanner (not tested by PicoQuant Support)

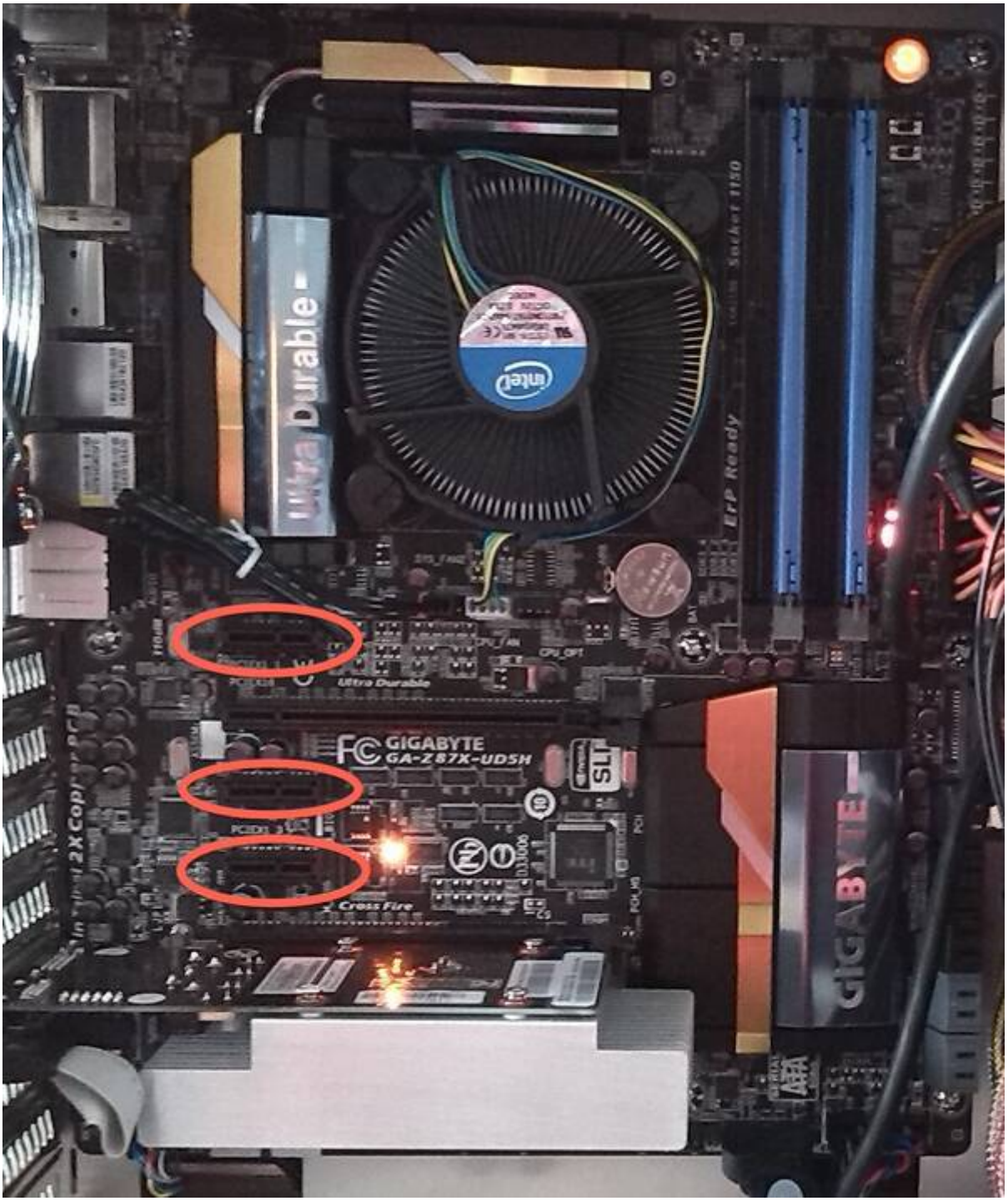
- MadCityLabs created a DLL which allows SymPhoTime 64 to use a specific MCL scanner. The support for this scanner is entirely handled by MadcityLabs and not by PicoQuant.

Brightfield Camera

- IDS UI-3370CP-NIR-GL 1“ monochrome camera 2048×2048

CAN & Frame Grabber

- Matrix Vision PCIe Framegrabber
  https://www.picoquant.com/dl_software/MT200_Driver/mvDELTA_mvSIGMA-x86_64-2.18.3.zip
  Note: Driver changed in SPTv2.3: New driver may affect the brignthness of the camera image. SPT versions v0.0 - v2.2 are incompatible with the new driver, SPT versions v2.3 - … are incompatible with the old driver. (Incompatibility leads to a frozen splash screen.)
- Peak CAN PCIe board
  http://www.picoquant.com/dl_software/MT200_Driver/PEAK_CAN_PCI.zip
  Note: older versions of PCAN PCI board could also work, but then make sure that the new PC has an old type PCI slot.
- Both cards should be installed in a PCIexpress 1x slot. See slots in red circles in the image below.
- If your system is (to be) equipped with a TH260 TCSPC card this card as also to be installed into a PCIexpress x1 slot.



not supported:

- DataTranslation PCI framegrabbe
- TimeHarp 200
- HydraHarp v.1.0 -__ **Firmware upgrade to HydraHarp v2.xx necessary__** before using the SymPhoTime 64.

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