

Specifications for All-In-One Data Acquisition Computer with Digitizer shall meet the following specifications:

- Shall have 21” or larger All-In-One multi-touch capacitive touchscreen monitor with embedded Computer equivalent or better than Adlink MLC 4-21
- IP65 rated enclosure
- Quad-core CPU with AVX2 instruction set equal or better than i7-4700EQ
- 16 Gigabyte Random Access Memory (RAM) minimum
- 256 Gigabyte Solid State Disk drive minimum
- 2 or more Gigabit Ethernet ports
- 2 or more USB 3.0 ports
- 1 or more 16 lane PCI Express (PCIe x16) slot
- 0 – 35 degree Celsius (minimum range) operating temperature
- Integrated PCIe digitizer equivalent or better than Adlink PCIe-9852
 - 2 simultaneously sampled 14 bit analog input channels
 - up to 200 Million Samples per second per channel
 - at least 11 hertz to 90 megahertz analog input bandwidth
 - < -80db channel crosstalk
 - > 60db signal to noise ratio
 - Software configurable AC or DC input Coupling
 - Software configurable 50 ohm or 1 megohm input impedance
 - 1 Gigabyte or more on board storage memory
 - 1 external digital trigger input
 - 1 external digital trigger output
 - 1 external clock input
 - auto calibration
 - on board signal averaging function
 - Driver support and Software Development Kit (SDK) for Linux operating system