

DSI COMPUTER AND MONITOR OVERVIEW

DSI offers computer and monitor options that optimize performance while acquiring and analyzing data with DSI software. The recommended computer hardware depends on the use cases as follows.

Computers

Lenovo™ ThinkStation P340

Recommended for use with:

- **Ponemah** – when dedicating a specific computer as a Data Acquisition or Review workstation, especially when used to acquire and review video data or performing synchronized acquisition of telemetry and analog signals via ACQ-7700.
- **NeuroScore** – when large amounts of data will be analyzed and high throughput is required, especially when using to acquire and analyze data on the same computer or performing video data playback.
- **FinePointe** – when used as the FinePointe Server to aggregate data collected from networked Member Servers. Recommended when collecting from many sites and when acquiring and analyzing large amounts of data.



Lenovo™ ThinkPad P14s Gen 1

Recommended for use with:

- **Ponemah** – when a more mobile solution is desired. May also be used as a Data Review workstation for data analysis.
- **NeuroScore** – when a more mobile solution is desired to analyze data outside of the vivarium or on the go.
- **FinePointe** – when being used as a dedicated Member Server for data acquisition or when a more mobile solution is desired. Recommended for data acquisition and analysis.



Computer Specifications

	Lenovo WorkStation P340	Lenovo ThinkPad P14s Gen 1
DSI Part Number	271-0112-032	271-0112-033
Processor	Intel Core i7-10700 / 2.9 GHz (8-Core)	Intel Core i7-10510U / 1.8 GHz (Quad-Core)
RAM	16 GB	16 GB
Hard Drive	1st Drive: 512 GB SSD 2nd Drive: 256 GB SSD	256 GB SSD
Video	Integrated: Intel UHD Graphics 630 Discrete: NVIDIA GF GTX 1050 Ti, 4 GB	Integrated: Intel UHD Graphics 630 Discrete: NVIDIA Quadro P520
Operating System	Windows 10 Professional 64-bit (English)	Windows 10 Professional 64-bit (English)
Microsoft Office	Home and Business 2019	Home and Business 2019
Network Card	Intel I219-LM Integrated NIC	Intel I219-V Integrated NIC
Network Card 2	Intel I210-TI Gigabit Network Adaptor	Intel Wi-Fi 6 AX 201 Wireless NIC
DVD	Integrated DVD-Writer	External DVD Drive: LG GP65NB60
Miscellaneous		14" IPS 1920 x 1080 (Full HD) Lenovo ThinkPad Pro Docking Station (2xDP)

Monitors

Acer B246HYL 23.8" LED Monitor

Strongly Recommended:

Use 2 monitors for data acquisition and analysis workstations, especially when using Ponemah or FinePointe.

DSI Part Number: 271-0113-011

LG 49LT340COUB 49" LED MONITOR

The LG 49" LED monitor is available should a larger viewing area be required. Wall mount available separately.

DSI Part Number: 271-0113-012 (monitor) / 007084-001 (wall mount)