

The WS-4/WS-8 Computer Workstation

System 3

Overview. The TDT WS computer workstations are rack-mountable and purpose-built for research applications, experiment control and data analysis. Each WS is equipped with a TDT P05 Optibit interface and 240 GB Solid State Drive [SSD] with pre-installed TDT software, and 64-bit Windows 7® for fast system booting, reliable operation, and easy set-up.

The WS is available in two configurations each with an optimized combination of processor, memory, and graphics. The WS-8 is optimized for the most demanding applications, such as high-channel count neurophysiology, and includes premium peripherals.

The WS-4 is targeted for less demanding applications, such as ABR and DPOAE testing with BioSigRZ software, while still tailored to the lab environment. Both form factors include two Gigabit Ethernet network ports for flexible integration to existing lab infrastructure or external device support.

Hard Drive and Data Storage. The system hard drive is a removable drive, accessible from the front panel. The WS also supports up to two removable data drives for storage of experiment data [one storage drive standard]. Additional drives may be purchased separately.

Interface. The WS's factory installed, Optibit optical interface card ensures fast and reliable data transfer from the WS to the TDT system.



Video Support. The WS-8 includes a high-performance video card for support of up to two monitors. The WS-4 provides video a quality video card with support for a single monitor.

Input/Output Connections. The WS includes standard connections for keyboard, mouse, and audio input/output lines. Additional connections include a front panel USB 2.0 port, four USB 3.0 ports accessible from the back panel, two Gigabit Ethernet ports, and an RS232 type serial port for maximum flexibility.

LED Display. The visual display provides a representation of system performance, including indicators for system elements; such as Ethernet ports, processor threads, hard drive, and memory.

Power. The power supply is auto-switching for 110 V or 220 V. A soft on/off button is provided on the front panel and a hard power cutoff switch is provided on the back panel.

WS Computer Workstation Part Numbers:

- WS-4, Computer Workstation with 4 GB DDR3 DRAM
- WS-8, Computer Workstation with 8 GB DDR3 DRAM

The Computer Workstations

Technical Specifications for the WS-8 Computer Workstation

CPU	3.4 GHz Intel® Core™ i7 [4 SMT Cores for 8 processor threads running at 3.4 GHz in parallel]
Memory	8 GB DDR3 SDRAM
Video Card	GeForce GTX 650 with 2 GB RAM
OS Hard Drive	240 GB Solid State Drive [SSD]
Data Storage	1 TB, 7200 RPM removable hard drive [1 included]
Network	Two Gigabit Ethernet ports
TDT Interface	P05 card
Open Slot	PCIe x4, half-length
Keyboard	Das Keyboard Model S Professional Click Pressure Point Mechanical Keyboard with two port USB hub
Mouse	Mad Catz R.A.T.3 Optical Gaming Mouse
Operating System	64-bit Windows 7® Professional or Windows 10®
Software	TDT Drivers, RpvdsEx, and other TDT software as requested

Technical Specifications for the WS-4 Computer Workstation

CPU	3.4 GHz Intel® Core™ i5-3570
Memory	4 GB DDR3 DRAM
Video Card	GeForce GT 730 with 2 GB RAM
OS Hard Drive	240 GB Solid State Drive [SSD]
Data Storage	1 TB, 7200RPM removable hard drive [1 included]
Network	Two Gigabit Ethernet ports
TDT Interface	P05 card
Open Slot	PCIe x4, half-length
Keyboard/Mouse	Microsoft USB Keyboard and Mouse
Operating System	64-bit Windows 7® Professional or Windows 10®
Software	TDT Drivers, RpvdsEx, and other TDT software as requested

