For data-intensive workloads and specialized applications

Blast your way through data-intensive work processes with Howard's newest workstation, the WX270.

Increases in both design complexity and workloads for professionals in areas such as architecture, energy exploration, graphic arts, medical imaging, and manufacturing, demand ever-increasing levels of performance, scalability and reliability. Howard's new WX270 is built with that in mind. It's designed to handle professional-grade applications that require tremendous processing power, including 3D CAD-CAM, and CGI. It goes beyond the capabilities of standard computers, with 7th generation Intel® Core™ processors that deliver the raw power necessary to get real work done—real fast.

And when work is done, the WX270 plays just as hard, so gaming is ultra-fast and super-smooth. Affordable? Yes. At a cost of no more than some desktop computers, you can get the right system—Howard's WX270 workstation—at the right price.

Power up with the WX270 and experience the Howard advantage!

Howard Technology Solutions recommends genuine Microsoft® Windows® 10

The Howard Advantage!

With every Howard product purchase, you receive the following for **FREE**!

- ✓ Phone and web tech support for the LIFE of your system
- ✓ 100% US-based, English-speaking customer support 24/7/365
- ✓ Phone hold times < 1 minute

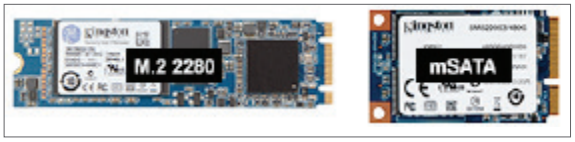
Feature	Benefits
Processors	Supports Intel® Core™/Pentium®/ Celeron® processors (LGA1151)
System Memory	Up to 64GB of DDR4 (4 Slots, DIMM)
USB 3.1	USB SuperSpeed 3.1 delivers 10x the data transfer rate of Hi-speed USB and improved power efficiency
Storage	M.2 Socket 3 with M Key design, type 2242/2260/2280/22110 storage devices
5-Way Optimization—Optimize your entire system with just one click!	

Workstations- Howard WX270

Feature	Specification
Chipset	Intel® Z270
Operating Systems	Windows® 8, 8.1 86x64, Windows® 7 86x64 and Windows® 10 86x64
Supported Processor Families	Supports Intel® Core™i, i5, i3 /Pentium® Celeron® processors (LGA1151)
Memory	Up to 64GB of DDR4 (4 Slots, DIMM)
Video	Intel® HD graphics support
Audio	Realtek® S1220A
Network	Intel® I219V
Internal Ports	16x PCI Express 3.0; 2 x PCI Express 3.0/2.0 x16 slots (single at x16 or dual at x8/x8 mode) 1 x PCI Express 3.0/2.0 x16 slot (max at x4 mode, compatible with PCIe x1, x2 & x4 devices) 1 x PCI Express; 4 x PCI Express 3.0/2.0 x1 slots 1 x USB 3.0/2.0 supports additional 2 USB ports (19-pin) 3 x USB 2.0/1/1, supports additional 6 USB ports 1 x M.2 Socket 3 with M Key, type 2242/2260/2280/22110 storage devices support (both SATA & PCIE mode)** 1 x M.2 Socket 3 with M Key, type 2242/2260/2280 storage devices support (PCIE mode only)***
External Ports	1 x DVI-D; 1 x HDMI; 1 x RJ45; 1 x DisplayPort 1 x USB 3.1/3.0/2.0 ports (teal blue, Type A) 1 x USB 3.1/3.0/2.0 ports (Type C) 4 x USB 3.0/2.0 ports (blue) 1 x Optical; 8-channel Audio I/O ports
WX170	**Chassis Technical Specifications**
	Dimensions: 19.30 (H) x 7.5 (W) x 16.7 (D) (inches) 3.5" Drive Bays: Internal=5, External=2 5.25" Drive Bays: Internal=0, External=3 Front Panel: USB=2, Audio=1 Line Out /1 Mic PSU: 300W (110 to 240W AC), Upgradable to 1200W

Q: Is an M.2 SSD the same as an mSATA SSD? ?

A: No, they are different; M.2 supports both SATA and PCIe storage interface options, while mSATA is SATA only. Physically, they look different and cannot be plugged into the same system connectors. The picture below shows an M.2 SSD and an mSATA SSD (you can see the connector is different, as are their card sizes):



Q: Why are there different lengths for M.2 SSDs?

A: There are two reasons for the different lengths of M.2 SSDs:

1. The different lengths enable different SSD drive capacities; the longer the drive, the more NAND Flash chips can be mounted on it, in addition to a controller and possibly a DRAM memory chip. The 2230 and 2242 lengths support 1-3 NAND Flash chips while the 2280 and 22110 support up to 8 NAND Flash chips, which can enable a 1TB SSD in the largest M.2 form factors.

2. Socket space in the system board can limit the M.2 size: Some notebooks can support an M.2 for caching purposes, but only have a small space that will accommodate only a 2242 M.2 SSD (2230 M.2 SSDs are smaller still but not needed in most cases where 2242 M.2 SSDs will fit).

Q: Whom should I contact for support?

A: Call Howard Technology Solutions for world-class support and service. Customer support is available:

Online at http://www.howardcomputers.com/support;
By phone at 1.888.323.3151;
Via email at tech@howardcomputers.com or
Conventional mail at: Howard Technology Solutions,
36 Howard Drive, Ellisville, Mississippi, 39437.

Experience the Howard Advantage

Product Upgrades

Enhance your purchase with any or all of the following products or services. And feel free to contact us toll free at 888-912-3151 to discuss any questions or your specific needs!

- On-site service
- Smart card reader
- WACOM digital tablets
- Wireless keyboard/mouse

Warranty & Support

- Howard Technology Solutions' standard warranties apply.
- **FREE** customer and technical support to purchaser via telephone or web for the life of the system.
- Expedite your troubleshooting process by participating in our Howard Technical Partnership Program (HTPP) which certifies your staff to perform basic hardware service and support. Contact us today for more information.