

HOWARD

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The Frost All-in-One Computer



It's called the Frost, and it's Howard's newest affordable touchscreen, all-in-one. What's cool about it? Well, one thing is definitely the display—a full HD, anti-glare, touchscreen display that delivers crisp, clear imagery. But most impactful is the Frost's special coating that allows it to be cleaned and disinfected after each use to keep it free from bacteria and germs. The fact that it can be sanitized repeatedly, day-in and day-out, without sustaining damage like an ordinary computer would from wipes and harsh chemical agents makes the Frost ideal for multiple applications—medical clinic patient registration portals and nurse stations, school computer and science labs, as well as retail and business settings.

The Frost is powered by the latest Intel® iCore processors for ultra-fast data retrieval and superb graphics performance. Add to that, low power consumption, space-saver styling, and super-easy setup.

Get the full-featured, extra-fast Frost from Howard, and feel the difference!

- Powerful • Affordable • Cleanable



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The Frost All-in-One Specifications

Chipset

Intel® H310T

Operating System

Microsoft Windows® 10, All versions

Processors

Intel® for 8th Generation Core™ i7, Core™ i5, Core™ i3/Pentium®/Celeron® processors

System Memory

2 x SO-DIMM, Max. 32GB, DDR4
2666/2400/2133 MHz

Display

19" Full HD anti-glare (1920X1080)

Audio

Realtek® high-definition audio with twin built-in speakers

Network

Intel® dual-band wireless-AC 9560 2x2 + Bluetooth 4.2

Internal Ports

- (1) USB 3.1 Gen 1 (to 5Gbps) connector
Supports 2 additional USB 3.1 ports
- (1) USB 2.0 port connector; supports additional 1 USB 2.0 port
- (2) USB 2.0 connectors; supports 4 additional USB 2.0 ports
- (1) M.2 Socket 1 with E key, type 2230 WiFi/BT device support or PCIe, CNVi/USB mode
- (1) M.2 Socket 3 with M key, type 2260/2280 storage devices support (SATA & PCIe x4 mode)
- (1) COM port connector
- (2) SATA 6Gb/s connectors
- (1) SATA power connector
- (1) CPU Fan connector
- (1) Chassis fan connector
- (1) Front panel audio connector (AAFP)
- (1) Chassis intrusion connector
- (1) 2-pin internal DC power connector
- (1) Stereo speaker connector

External Ports

- (1) USB 3.1 type C
- (1) USB 2.0
- (1) HDMI 2.0
- (2) Mini DP
- (2) USB 3.0
- Audio= Mic, speakers
- (1) LAN
- (1) Headphone jack
- (1) Multimedia card reader

Chassis Technical Specifications

All-in-One



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.

Contact Howard Technology Solutions for world-class service and support.

Online: www.howardcomputers.com/support
Phone: 1.888.323.3151
Email at tech@howardcomputers.com, or
Conventional mail at:

Howard Technology Solutions
36 Howard Drive
Ellisville, Mississippi 39437

FAQs

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 that 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).

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