Small. Stable. Affordable.

Small can do it all—if—it's Howard's new IQ-K mini desktop computer. From focusing on work to playing games and streaming movies, the IQ-K is customizable and powerful enough to handle all your computing needs with ease, yet small enough to fit in the palm of your hand. It's powered by the latest dual-core 7th Generation Intel® Core™ i3 processor; has a solid-state hard drive, dual-array front microphones, DDR4 memory, and support for 4K at 60 Hz via an HDMI 2.0 port. What that means for you is this: Howard's IQ-K is super-fast and produces incredible visuals that breathe life into every single image. For personal use or business needs, the IQ-K provides you with all the full-functioning, high performance necessary to do what you want to do—set up video surveillance, advertise and inform with digital signage, or create a complete home entertainment system.
It's all up to you.

The new
IQ-K

only
4-inches wide

Howard Technology Solutions recommends genuine Microsoft® Windows® 10 Professional.

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
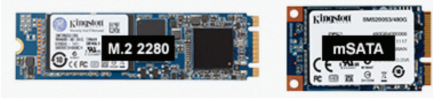
✓ Phone hold times < 1 minute

Feature	Benefits
Processor	Dual-core 7th Generation Intel®(r) processor lets you start faster and work longer, and it supports higher-resolution graphics—great for gaming!
Storage	M.2 22x42/80 (key M) slot for SATA3 or PCIe X4 Gen3 NVMe or AHCI SSD SSDs make virtually no noise at all; they allow PCs to boot and launches apps faster, and increase overall performance.
Memory	Up to 32GB of DDR4-2133 Increased data transfer speed for peak performance and lower power consumption than DDR3
Audio	Up to 7.1 surround audio via mini HDMI and mini display port
Graphics	Intel® Kaby Lake HD 620 integrated graphics

Intel, Intel Core™ i3, i5, i7, and Intel inside are trademarks or registered trademarks of Intel Corporation in the U.S. and other countries.

CORE i3
7th Gen

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Feature	Specification
Chipset	Intel® SOC chipset
Supported Operating Systems	Microsoft® Windows® 10, 8.1, 8, and 7 86x64
Supported Processor Families	Intel® Intel(r) Celeron J3455, Intel(r) Core i3-7100U, Intel(r) Core i5-7260U, and Intel(r) Core i7-7567U
System Memory	Up to 32GB of DDR4-2133 (2 Slots, SODIMM)
Video	Intel® HD Graphics 620
Audio	Up to 7.1 surround audio via mini HDMI and mini display port
Network	Intel® I219V, 1 x Gigabit LAN Controller Intel® Wireless-AC 8265 soldered-down, IEEE 802.11ac 2x2 + Bluetooth
Internal Ports	M.2 22x42/80 (key M) slot for SATA3 or PCIe X4 Gen3 NVMe or AHCI SSD Micro SDXC slot with UHS-I support 2x internal USB 2.0 via header Front Consumer Infrared port 2x front USB 3.0 ports (one charging)
External Ports	2x rear USB 3.0 1x HDMI; 2.0 port with 4K at 60Hz 1x USB 3.1 Gen 2 (10 Gbps) and mini display port 1.2 via USB-C

Chassis Technical Specifications

Dimensions	4.53 x 1.38 x 4.37 (inches)
Weight	2.5 lbs
PSU	19V, 65W power brick

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 (Both connectors and card sizes are different):

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

A: **Two reasons:** 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 & 2242 lengths support 1-3 NAND Flash chips while the 2280 & 22110 support up to 8, 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 have a small space that will accommodate only a 2242 M.2 SSD.

Q: Whom should I contact for support?

A: Call Howard Technology Solutions for world-class support and service, if there are any questions about this desktop. Customer support is available—
online at http://www.howardcomputers.com/support,
via email at tech@howardcomputers.com,
by phone at 1.888.323.3151, or
conventional mail at Howard Technology Solutions, 36 Howard Drive, Ellisville, Mississippi, 39437.

Back Ports
Core i3

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
- Wireless keyboard and/or mouse
- External hard drive
- External multi-card reader

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.