

# HOWARD

## Powerful, flexible, and upgradeable

### Desktop replacement

Dominate your day job with Howard's newest desktop replacement, the N650DU laptop computer. Powered by 7<sup>th</sup> generation Intel® processors, the N650DU delivers the serious, high-speed performance you need to take care of business and the flexibility to work wherever your business takes you.

Optimized to meet the demands of high-powered applications, the N650DU features DDR4 memory for improved data integrity, a reengineered cooling system for greener, low-cost computing, and M.2 and 2.5" storage options. It includes a DVD-RW drive, full size, white LED backlit keyboard with numeric keypad, and powerful HD graphics that beautifully enhance visual output for clear, crisp imagery—perfect for powering presentations and multimedia productions.

And there's room to grow! The N650DU has an easy-access service panel that enables you to upgrade laptop components, such as CPU, memory, and storage. It's all there—Howard's N650DU has everything you need to do your job, and then some.



#### —More reasons to choose Howard's N650DU desktop replacement!

- ✓ Desktop CPU: Provides more processing power
- ✓ Easy Access Panel: Simplifies service and upgrades
- ✓ Separate Audio Ports: Many laptops now combine headphone and mic into single port, N650DU has separate headphone and mic, plus a digital S/PDIF coaxial output port.
- ✓ M.2 and 2.5" Storage: Supports many storage configurations for budget, performance, or capacity
- ✓ Removable battery and lots of ports!

#### 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



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## The N650DU Desktop Replacement



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## N650DU

### Desktop Replacement

#### Chipset

Intel® H170

#### Processor

7<sup>th</sup> Generation Intel® Core

#### Operating System

Microsoft Windows® 10 Professional,  
64-bit

#### System Memory

Up to 32GB of DDR4 (2 Slots, SO-DIMMs)

#### Video

Intel HD graphics

#### Display

15.6" FHD 1920x1080

#### Audio

HD audio  
(2) 2W speakers

#### Network

10/100/1000 Ethernet  
Intel dual-band wireless-  
AC 8260 2x2 AC + BT

#### Internal Ports

M.2 2230, A Key (Wireless LAN)  
M.2 2280, M Key (SATA / NVMe)  
M.2 3042, B Key

#### External Ports

USB 2.0 = 1  
(2) USB 3.1 Type-A,  
(1) Type-C  
Audio= mic, headphone, S/PDIF  
(1) LAN  
(1) VGA  
(1) HDMI  
6-in-1 card reader  
DC power In

#### Power Supply

6-cell battery 48.84Whr

#### PSU

90W

#### Dimensions

14.92" x 10.37" x 1.27" (inches)

#### Device Type

Clamshell with Kensington lock

#### Drive Bays

(1) 2.5"  
(1) M2  
(1) Optical

#### Webcam

HD720p with digital microphone

#### Weight

5.4lbs



#### FAQs

**Q: What is the advantage of a desktop processor in a laptop?**

A: The benefit is that you get higher performance and functionality for seamless multi-tasking and rapid response time.

**Q: Can the N650DU support multiple monitors?**

A: Yes, with multiple display ports N650DU can support additional monitors.

**Q: Can I use the M.2 and 2.5" at the same time?**

A: Yes, you can use the M.2 or the 2.5" or both at the same time.



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

Online: [www.howardcomputers.com/support](http://www.howardcomputers.com/support);  
Phone: 1.888.323.3151  
Email at [tech@howardcomputers.com](mailto:tech@howardcomputers.com), or  
Conventional mail at:

Howard Technology Solutions,  
36 Howard Drive,  
Ellisville, Mississippi, 39437

#### 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.

