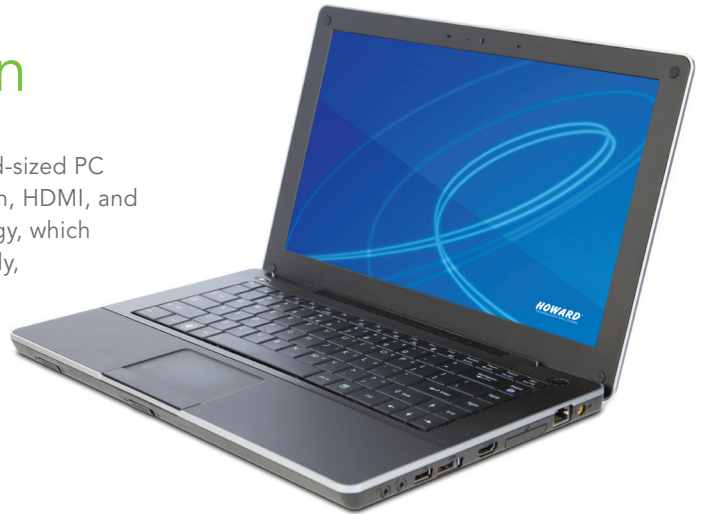


## More features for more fun

The new Microsoft® Certified SP13R is Howard's most versatile mid-sized PC yet, with more amazing features for more fun! It features a webcam, HDMI, and a docking station, as well as Intel's new Wireless Display technology, which enables you to view all your online content on a big screen—simply, wirelessly! And that's not all. Built-in Intel® Anti-Theft Technology 2.0 and Always Aware provide hard drive protection, system security and display orientation. The SP13R is powered by Intel's i3 330UM ultra low voltage (ULV) processor and delivers an exceptional level of power-efficient performance.



Howard Technology Solutions recommends genuine Microsoft® Windows® 7.

### 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

Experience the **Howard difference.**



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Feature	Benefits
Microsoft® Certified	The SP13R is a highly tested system, optimized for Microsoft Windows® 7.
Full-size Keyboard	Standard keyboard with function keys such as volume up/down, mute, LED brightness, sleep, WLAN on/off, and camera on/off
Wireless Connectivity	High-speed connectivity with 802.11n wireless technology
Webcam	It includes a 1.3 mega pixel webcam that can be used for numerous multimedia applications.
Docking Station	The SP13R's optional docking station provides quick connection for charging and access to additional video, audio, network, and USB ports. The dock also has an optional integrated optical drive for loading software or playing media on your SP13R.



Docking Station  
Optional



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TECHNOLOGY SOLUTIONS

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# Notebooks - Howard SP13R

Feature	Specification
Screen Size	13.3" LED (1366 x 768 max resolution)
Chipset	Intel® HM55
Supported Operating Systems	Microsoft® Windows® 7, or Vista™
Supported Processor Families	Arrandale ULV
System Memory	Up to 8GB of 1066 MHz DDR3 (2 slots)
Video	Integrated Intel® HD
Audio	Built-in Intel® HD Audio Controller (Realtek ALC269), with 3D effect and full duplex; Built-in stereo speakers and internal digital microphone (top LCD bezel)
Network	Integrated Realtek 10/100/1000 Gigabit LAN and 802.11n Wireless adapter; Upgrade to Intel® PRO/Wireless 6000 series 802.11n wireless adapter and internal Bluetooth adapter included.
Optical Drives	External USB or docking station DVDRW
Internal Ports	Mini-PCI Express= 2
External Ports (Rear Panel)	Serial=0; USB=3; Audio=Mic in, headphone out; LAN=1 Realtek 10/100/1000; video=2, VGA out; HDMI out; ExpressCard=0; e-SATA/USB=1; IEEE 1394=0; Integrated 1.3 MP webcam; Kensington Lock hole, and bottom dock connector=1
Battery	Li-Polymer (approximately 40 Whr)
Power Supply	19V DC, 65W
Dimensions (WxDxH)	13.25"(W) x 8.5"(D) x .97"(H) Weight 3.5 lbs
Certifications	WHQL, FCC Part 15B; CE
Other Features	Power Mgmt: Suspend/Resume function, Hibernation, Standby, ACPI BIOS, Always Aware Anti-theft software, Accelerometer 3-axis analog, Intel Wireless Display Technology
Optional Features	Docking station with or without DVDRW, Blu-Ray optical drive

**Q: What is the average battery life for the SP13R?**

A: The Li-Polymer battery lasts approximately 4 hours with normal usage.

**Q: How do I enable the WiFi on the SP13R?**

A: WiFi is enabled in two different ways. You can use either the wireless button (top/left key above the ESC key), or hold down the FN key while pressing the F2 key (FN+F2).

**Q: How do I enable Bluetooth on my SP13R?**

A: Bluetooth is enabled by selecting the wireless/Bluetooth button combination FN+F11 key.

**Q: Is the SP13R dock compatible with any other Howard models?**

A: The dock utilized by the SP13R is also compatible with the Howard SP15 laptop.

**Q: Whom should I contact for support?**

A: Call Howard Technology Solutions for world-class support and service if there are any questions about the notebook. Customer support is available- online at <http://www.howardcomputers.com/support>, by phone at 1.888.323.3151, via email at [tech@howardcomputers.com](mailto:tech@howardcomputers.com) or through conventional mail at Howard Technology Solutions, 36 Howard Drive, Ellisville Mississippi, 39437.

FREQUENTLY ASKED QUESTIONS

## 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!

- USB port replicator
- On-site service
- Smart card reader
- DVD-RW with DVD software
- Jazz/zip drives
- External USB keyboard and 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.

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