



HOWARD-branded PRODUCTS for Education

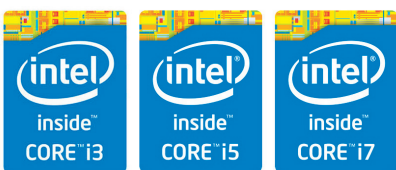
The Howard Advantage begins with the fact that we manufacture our own products—custom desktops, notebooks, servers, and kiosks—sembled and quality-tested here in the USA. Our customer support team is 100% US-based, available 24/7, and FREE for as long as you own your Howard product. In addition, our Professional Services team is available for network consulting and management services, installation, integration, and training. So, think “Howard” for all your 21st Century classroom needs.



Q17 Low Profile Desktop PC

The Howard Q17 is packed with features designed to accelerate workflows and boost productivity, such as the amplified storage capacity of a 1TB hard drive, DDR4 memory—twice as fast as DDR3, with 50% more bandwidth and 40% more energy efficiency—and integrated HD graphics for absolutely stunning visuals. We’ve built the Q17 to exacting standards that guarantee quality and long-term durability.

- Supports Intel® Core™ i7, i5, and Core™ i3 processors
- High-Speed Connectivity
- Integrated Gigabit NIC
- USB 3.0 Boost (170% faster than traditional 3.0)
- Real-time network bandwidth management
- Comprehensive controls for a cool and quiet balance





M200N1 All-in-One Desktop PC

Take a look at the M200N1, the newest, most versatile all-in-one from Howard. This sleek, new PC offers tablet-like styling, but with a 19.5" wide-viewing panel for big and bright, beautiful images. Just rotate the M200N1 and the screen view automatically switches from landscape to portrait. It has 10-point multi-touch capability, so it functions with or without a keyboard, just like a tablet.



- Projective capacitive 10-point touch display
- Approximately 4+ hours battery life
- Intel® Bay Trail-M SoC, N2900 Series processor
- Built-in HD webcam with dual microphones

IQ³ Mini Desktop PC

Get ready to be amazed by the smallest desktop computer we've ever offered, the new IQ3. This ultra-compact device is just 4-inches square—smaller than a wireless modem or desktop speaker—but it's packed with 5th generation Intel® i-Core™ processing power, enough to tackle the most data-intensive computing tasks with ease.

- Dimensions: 4.6" x 4.4" x 2.02" (inches)
- Internal SATA3 support for 2.5-inch HDD/SSD



WX170 Workstation Desktop PC

The WX170 Workstation is powered by the latest Intel® processors and equipped with high-end features such as Intel HD graphics, DDR4 memory, and USB 3.1; Asus Pro-Clock technology, Crystal Sound 3, and 5X Protection II. These combine to produce amazing speed, high scalability, and a level of reliability that is second to none. And when work is done, the WX170 plays just as hard, so gaming is ultra-fast and super-smooth.



2GoPCT5 Convertible Notebook

Howard's new 2goPCT5 is a tablet and a PC. It's made for education, but ideal for fieldwork and travel—powerful enough to support a wide variety of education-focused applications and software, yet ruggedized and light-weight enough for use in a variety of work settings. Powered by the new Bay Trail 1.8 GHz, Quad-Core processor, the 2goPCT5 delivers impressive levels of computing power, performance, and efficiency.

- New Bay Trail 1.8 GHz CPU Support
- Bluetooth wireless capability
- Front and rear webcams
- Intel® HD graphics

T11M Convertible Notebook

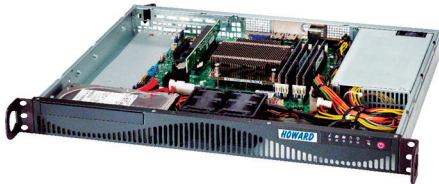
Type to work; touch to play—Howard's versatile, new T11M transforms from a full performance laptop to a tablet in just seconds. It's thinner and sleeker than a regular laptop, and its detachable keyboard design makes it easily adaptable as your computing needs change throughout the day. It even comes with its own capacitive stylus.

- 802.11 b/g/n WLAN + Bluetooth 4.0
- 10-point capacitive multi-touch screen



Custom Imaging Service

The next time you receive a shipment of computers, wouldn't it be nice and simple to remove them from their boxes, plug them in to your network and a power source, and begin using them right away? It can happen, and it's a FREE service from Howard! With our custom-imaging program, we'll save you the countless hours usually spent installing software and configuring system requirements.



SE3-112 Rack-Mount Server

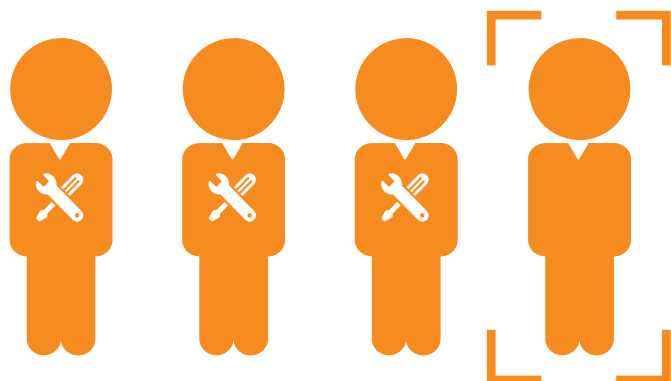
Howard's newest server solution, the SE3-112 is built around Intel's new E3 processor technology and provides intelligent performance that adapts to your needs. It features integrated RAID 1, IPMI 2.0 for remote management, a 350W power supply, and up to 16GB of DDR3 RAM. The SE3-112, which has an industry standard, mini 1U chassis, supports Microsoft's Windows Server® 2012 R2 and is as easy to manage as it is to install

- Safeguard all your important data
- Day-to-day data exchanged faster and more efficiently
- Remote access gives you quick access to information
- 44% better energy-efficient performance

IE3-418 Tower Server

The IE3-418 features Intel® Embedded Server RAID Technology and Intel® Rapid Storage Technology; DDR3, hot-swap hard drives, and IPMI 2.0 for remote management and monitoring capabilities. In addition, energy-efficient power enhancements lower TCO and support green initiatives. The IE3-418 is easy to deploy and to manage.

- Utilizes the newest Intel® E3 v3 processor
- Intel® Embedded Server RAID Technology



Technical Partnership Program (HTPP)

Howard Technical Partnership Program (HTPP) is our approach to handling basic hardware service and support for our customers. A US-based team of qualified engineers and technicians will train and certify your staff to perform basic troubleshooting and maintenance procedures. We believe participating in HTPP is the best way for you to maximize system uptime and ensure that you get the right help as fast as possible.



Howard One Interactive Kiosk

The Howard One model series combines the best design aspects of our custom indoor and outdoor designs, yet delivers the simplicity and economy of a standard product. This highly versatile platform integrates smoothly with any indoor work environment, with standalone, wall-mounted, and through-wall mounting options available. Additionally, its rugged design, equipped with adjustable AC control and a watertight seal, grant it longevity in the face of the elements and make it a simple, viable, and economical option for outdoor deployment.

Base Model Includes

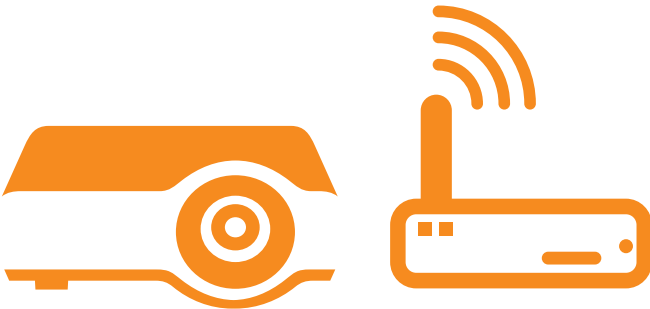
- Durable Powder Coated Steel Enclosure
- Barcode Scanner
- Encrypted EMV Credit Card Reader
- Bill Acceptor
- Check Reader
- Howard Premier PC
- Dual Amplified Speakers
- 17" Touch Screen
- Thermal Receipt Printer
- Internal Keyboard

Howard Two Interactive Kiosk

The Howard Two model series incorporates best-in-class features and functionality with a highly flexible standalone multimedia platform. Smartly constructed and rigorously designed, the Howard Two model kiosks support a host of printers and other devices, each of which is seamlessly and securely integrated into the kiosk. The Two model offers customization options for a 17" or 15" touch screen monitor and a mounted overhead display for incorporation of digital signage. Howard Two kiosks provide a dynamic interactive experience, high uptime, and measurable ROI.

Base Model Includes

- Durable Powder Coated Steel Enclosure
- Barcode Scanner
- Encrypted EMV Credit Card Reader
- Bill Acceptor
- Check Reader
- Howard Premier PC
- Dual Amplified Speakers
- 17" Touch Screen with Camera
- Thermal Receipt Printer
- Internal Keyboard with Trackball



Audio Visual & Networking Pro Services

Howard offers affordable turnkey AV solutions that include design, procurement, and installation services by a team of experienced, certified engineers who specialize in industry standards and programming. In addition, the Howard Professional Services team is available for network consulting, programming and management services, installation, integration and training.

21st Century Classroom Installations

Capture attention and maintain student focus with the right technology—easy to use technology that promotes active learning. From interactive assessment tools that let you gauge student understanding to state-of-the-art AV solutions that enable you to make connections outside the classroom and around the world, HOWARDedu has what you need to spark a new interest in learning.



Federal & State Contract Purchasing

Simplify procurement and maximize your buying power with special contract pricing and Howard. Cooperative multi-state contracting enables us to offer a wide array of technology products and services at prices you won't get anywhere else. From WSCA and MiCTA to TIPS/TAPS, Howard is the name you need to know!

APP & Premier Website Customization

If you think Howard's Premier website was designed just for you—you're absolutely right! We've customized it to include an Approved Products section where you'll see only those technology products that are approved for purchase and that reflect pricing discounts specific to your organization. We've added quick-view dashboards for tracking quotes and orders, live chat, and custom landing-pages.



Our vision and strategy

HOWARDedu | We do IT

THE ONE-STOP-SHOP



- A. COMPUTING SOLUTIONS
- B. AUDIO VISUAL & INSTRUCTIONAL SOLUTIONS
- C.1 NETWORKING INFRASTRUCTURE SOLUTIONS
- C.2 NETWORK VIDEO SOLUTIONS
- C.3 VIRTUALIZATION
- D. SOFTWARE
- E. AUDIO VISUAL & PROFESSIONAL SERVICES
- F. ACCESSORIES AVAILABLE VIA OUR WEBSITE



BYOD | BRING YOUR OWN DEVICE JUST GOT EASIER

Howard has the newest tablets, chromebooks and Wi-Fi solutions for your BYOD classroom. Want to know more? Call today.

A | COMPUTING SOLUTIONS

1. **DESKTOPS:** Acer, Dell, Howard, HP, Lenovo & NComputing Multi-user Technologies
2. **NOTEBOOKS, CHROMEBOOKS & TABLETS:** Acer, Asus, Dell, Fujitsu, Howard, HP, Lenovo, Microsoft, Samsung & Toshiba
3. **MANAGEMENT SOLUTIONS:** Altiris, Faronics & Kaspersky
4. **ANTIVIRUS:** See (D | SOFTWARE)
5. **MOBILE PRESENTATION & CHARGING STATIONS:** Anthro, Aver, Balt, Blackbox, Bretford, Copernicus, Datamation, Earthwalk, Ergotron, Howard, Kwikboost, PowerGistics & Spectrum
6. **REFURBS:** School Tech Supply: Charge Carts, Computers, Doc. Cameras, Monitors, Notebooks, Servers, Storage & Tablets
7. **BELKIN:** Accessories
8. **2D PRINTERS & 3D PRINTERS:** 3D Systems, Brother, Dell, HP, Kyocera, Lexmark, Makerbot, OKI & Xerox
9. **NEW KIOSK SOLUTIONS:** Howard

B | AUDIO VISUAL & INSTRUCTIONAL SOLUTIONS

1. **INTERACTIVE CLASSROOM SOLUTIONS:** BenQ, Epson, Interactive Projectors & Mimio
2. **INTERACTIVE TOUCHSCREEN LCDS:** Cleartouch, MimioDisplay, Qomo, Sharp, Viewsonic & Wacom
3. **WIRELESS INTERACTIVE PADS:** Elmo, Mimio & Qomo
4. **PROJECTORS:** BenQ, Casio, Christie, Epson, Hitachi, InFocus, NEC, Panasonic, Sanyo, Sony, Toshiba & Viewsonic
5. **PROJECTOR SCREENS:** Da-Lite & Draper
6. **DOCUMENT CAMERAS:** Aver, Elmo, Epson, Lumens, Mimio & Qomo
7. **STUDENT RESPONSE SYSTEMS:** Mimio
8. **AUDIO SOLUTIONS:** Frontrow, Howard Custom Solutions & Panasonic
9. **CONTROL SYSTEMS:** Crestron, Extron, FrontRow, Kramer & SP Controls
10. **LECTURE CAPTURE:** Crestron, Extron, FrontRow & VBrick
11. **MOUNTS:** Chief & Premier Mounts
12. **CABLES:** C2G, Comprehensive, Liberty Cable, MonoPrice & West Penn

13. **FURNITURE:** CEF, Middle Atlantic, Spectrum, VFI & Worthington Direct
14. **MONITORS & TVs:** LG, NEC, Panasonic, Planar, Samsung, Sharp, Sony & Viewsonic
15. **INTERCOMS, BELLS, & PAGING SYSTEMS:** Extron & FrontRow
16. **BROADCASTING:** Panasonic & Sony
17. **INSTALLATION & DESIGN SERVICES:** Howard

C.1 | NETWORKING INFRASTRUCTURE SOLUTIONS

1. ***VOIP:** Cisco, Digium, Vertical & Zultys
2. **CONTINUITY SOLUTIONS:** Cisco
3. ***NETWORK INFRASTRUCTURE:** Brocade, Cisco, Extreme & HPE
4. ***WIRELESS:** Aerohive, AirTight, Aruba, Cisco, Extreme, HPE, Meraki, NetGear, Ubiquiti & Xirrus
5. **MDM:** AirWatch, Filewave, LanSchool & MobileMind
6. ***COOLING, POWER PROTECTION & LAN STORAGE PRODUCTS:** APC & Tripp Lite
7. **BACKUP SOLUTIONS:** Bakbone, CommVault, Cybernetics, Exagrid, HPE, SpectraLogic, Unitrends & VMware
8. ***SERVERS:** Fujitsu, Howard, HPE, IBM & Lenovo
9. **STORAGE:** Buffalo, Compellent, HVE, Overland & Tegile
10. **EMAIL ARCHIVING SOLUTIONS:** Arcmail & Barracuda
11. ***SECURITY SOLUTIONS:** Astaro, Barracuda, Fortinet, McAfee, Panda, Radware, Sophos & Symantec
12. **DISASTER RECOVERY PRODUCTS:** EMC², Howard & VMware
13. **BANDWIDTH MANAGEMENT SOLUTIONS:** Allot
14. **NETWORK SECURITY:** Fortinet, iBoss, Lightspeed & Palo Alto
15. **NETWORK ACCESS CONTROL:** Bradford & Impulse Point

C.2 | NETWORK VIDEO SOLUTIONS

1. **PHYSICAL SECURITY**
2. **ACCESS CONTROLS:** Salto
3. **VIDEO SURVEILLANCE:** Axis, Cisco, Milestone & Video Insight
4. **VIDEO STREAMING:** Extron & Vbrick
5. **VIDEO CONFERENCING:** Aver, BlueJeans, Lifesize, Lumens & Polycom
6. **DIGITAL SIGNAGE:** Viewsonic & Visix
7. **DIGITAL OUTDOOR SIGNS & SCOREBOARDS:** Daktronics

LINECARD CONTINUED ON BACK

Our vision and strategy

HOWARDedu | We do IT



THE ONE-STOP-SHOP



- A. COMPUTING SOLUTIONS
- B. AUDIO VISUAL & INSTRUCTIONAL SOLUTIONS
- C.1 NETWORKING INFRASTRUCTURE SOLUTIONS
- C.2 NETWORK VIDEO SOLUTIONS
- C.3 VIRTUALIZATION
- D. SOFTWARE
- E. AUDIO VISUAL & PROFESSIONAL SERVICES
- F. ACCESSORIES AVAILABLE VIA OUR WEBSITE



The White Glove EXPERIENCE

Get the most from your Chrome Experience. Ask your Howard Rep about our exclusive Chromebook Integration Services.

C.3 | VIRTUALIZATION

1. **DESKTOP VIRTUALIZATION:** Citrix, HVE, NComputing, Viewsonic & VMware
2. ***SERVER VIRTUALIZATION:** Citrix, HVE & VMware

D | SOFTWARE (Request a Software Linecard to shop all brands)

1. **FEATURED BRANDS:** Adobe, Antivirus, Autodesk, Kaspersky, Microsoft, MobileMind, Panda Security & VmWare
2. **ANIMATION & 3D:** Autodesk, Smith Micro & ToolFarm
3. **ANTIVIRUS:** AVG, BitDefender, Kaspersky, McAfee, Panda Security, Norton, Sophos, Symantec, Total Defense & Trend Micro
4. **CHROMEBOOK-ENABLING SOFTWARE:** Neverware
5. **DESIGN, CREATIVITY & PAGE LAYOUT:** Adobe, Corel, Nuance, (+)
6. **HIGHER EDUCATION:** Access Data, Design Science, Maplesoft, (+)
7. **K-12 EDUCATION:** Alive Studios, Fishtree, Hapara, Widgit, (+)
8. **MUSIC & VIDEO:** Adobe, Avid, Roxio, Sony Creative, TechSmith, (+)
9. **NETWORK & IT MANAGEMENT:** CA, Heat, Juniper, Netmotion, (+)
10. **PRODUCTIVITY & COLLABORATION:** Carbonite, Corel, Nuance, (+)
11. **PROGRAMMING & WEB DEVELOPMENT:** Adobe, Microsoft, (+)
12. **SECURITY:** Absolute, CA, Data Motion, GoGuardian, Palo Alto, (+)
13. **TRAINING & COURSEWARE :** Absolute, CA, Data Motion, (+)
14. **UTILITY, BACKUP & RECOVERY:** Acronis, Nakivo, Symantec, (+)
15. **VIRTUALIZATION:** Devolutions, Nexenta, Parallels, VmWare, (+)

E | AUDIO VISUAL AND PROFESSIONAL SERVICES

1. *** MANAGED SERVICES:** E-Rate Eligibility & Network Consulting
2. ***INSTALLATION SERVICES:** Audio Visual & Computing, Cabling, Distance Learning & Video Conferencing, Network and Data Centers & Wireless Access
3. **ONSITE TECHNICIANS & IT OUTSOURCING**

4. **PROGRAMMING SERVICES:** Control Systems & Video Conferencing
5. **SUPPORT SERVICES:** Custom Imaging, HTTP, OnCall & Technology Management
6. **TRAINING/PROFESSIONAL DEVELOPMENT:** Curriculum Training, Instructional Technologies & 21st Century Classrooms- MobileMind
7. **PHYSICAL SECURITY & VIDEO SURVEILLANCE SERVICES:** Aver, Axis, Cisco, Lumens, Milestone & Video Insight
8. **CONSULTING:** Network Assessments, Outsourced Labor & Wireless Surveys

F | E-COMMERCE & ACCESSORIES (howardedu.com)

1. **APP:** Approved Products Pages & Premiere Website Customization
2. **CONTRACTS:** Contract availability varies per state. Contact a sales representative for more information regarding your needs.
3. **SOLUTIONS:** Disaster Recovery, Interactive Classrooms, Networking & Security
4. **SYSTEMS:** Desktops, Notebooks, Presentation Carts, Servers & Tablets
5. **HARDWARE:** Cameras & Camcorders, Ink, Keyboards, Mice & Pointing Devices, Monitors, Power Devices, Printers, Projectors, Scanners, Toner & other accessories
6. **SOFTWARE:** Networking, Office Productivity, Operating Systems, Security & Utilities
7. ***NETWORKING:** Adapters, Bridges, Cables, Cards, Hubs, IP Telephony, Modems, Routers, Security Devices, Switches, Video Conferencing Products, WAPs & other accessories
8. **STORAGE:** Adapters, Cables, CD/DVD Removable Media, Enclosures, Flash Drives, RAID Arrays & other accessories
9. **CARRYING CASES & BAGS:** Brenthaven, CaseLogic, Greensmart, Higher Ground, Incase, Marware, Mobile Edge, STM & Tucano
10. **OFFICE SUPPLIES**

INSIDE REP

REGION

EMAIL

PHONE

OUTSIDE REP

REGION

EMAIL

PHONE