



HOWARD TECHNOLOGY SOLUTIONS

PRODUCTS | SERVICES

HOWARD™

Howard Corporate Headquarters
Ellisville, MS

Howard Branded Products

HOWARD PRODUCT LINE



Desktops



Notebooks



Servers



Carts



Mobilization

About Howard

Howard Technology Solutions, founded in 1998, is a division of Howard Industries, a billion-dollar, privately held company headquartered in Ellisville, MS. As a leading manufacturer and provider for computer hardware and related equipment, we are committed to creating, providing, and supporting superior products and services that meet or exceed the needs of our customers.

While technology may be complex, we believe obtaining it doesn't have to be. This simple fact, along with our strategic partnerships, enables us to offer a rich portfolio of over 250,000 products ranging from desktops, notebooks, tablets, servers, networks, printers, digital cameras, and accessories to custom designs and presentation carts.

Howard Technology Solutions has been satisfying business, educational, governmental, and medical customers for over 10 years. When it comes to technology, Howard has you covered!

HOWARD[™]

888.912.3151

www.howardcomputers.com

Discover the Howard Advantage!



Howard Technology Solutions Products & Services

A | COMPUTING SOLUTIONS

Desktops: Howard, Lenovo, HP, & NComputing Multi-user Technologies
Notebooks, Netbooks, & Tablets: Howard, Lenovo, HP, Fujitsu, Toshiba, Acer, & DyKnow Management Software
Management Solutions: Continuum, Altiris, Bomgar, & Faronics
Antivirus: Symantec, McAfee, Sophos, & Kaspersky
Mobile Presentation Carts: Howard, Datamation, Spectrum, Earthwalk & Bretford

B | AUDIO VISUAL & INSTRUCTIONAL SOLUTIONS

Interactive Training Solutions: Mimio & Interactive Projectors
Wireless Interactive Pads: Mimio
Projectors: Epson, BenQ, Viewsonic, InFocus, Sanyo, Toshiba, Panasonic & Christie
Projector Screens: Da-Lite
Document Cameras: AverMedia, Elmo, Lumens, Mimio, Qomo & Samsung
Personal Response Systems: Mimio & Turning Technologies
Audio Solutions: Howard, Frontrow, Earthwalk, Panasonic & Califone
Control Systems: SP Controls, Extron & Crestron
Mounts: Chief
Cables: Cables To Go & Tripp Lite
Furniture: Spectrum Industries
Installation & Design Services: Howard

C.1 | NETWORKING INFRASTRUCTURE SOLUTIONS

VOIP: Cisco & Shoretel
Continuity Solutions: Cisco
Network Infrastructure: Cisco, HP, Enterasys & Extreme Networks
Wireless: Xirrus, Enterasys, Cisco & Aerohive
Cooling, Power Protection & LAN Storage Products: Tripp Lite & APC
Backup Solutions: CommVault, Bakbone, Exagrid, Spectra Logic, VMware, Continuum & HP
Servers: Howard, Lenovo, Fujitsu, HP & IBM
Storage Solutions: Xiotech, Buffalo & Compellent
Email Archiving Solutions: Barracuda & Arcmail
Security Solutions: Symantec, McAfee, Fortinet, Astaro, Sophos & Barracuda
Disaster Recovery Products: EMC2, VMware & Howard
Bandwidth Management Solutions: Allot

C.2 | NETWORK VIDEO SOLUTIONS

PHYSICAL SECURITY
VIDEO SURVEILLANCE: Milestone, Cisco & Axis
VIDEO STREAMING: Vbrick
VIDEO CONFERENCING: Polycom & Lifesize
DIGITAL SIGNAGE: Visix & Viewsonic

C.3 | VIRTUALIZATION

DESKTOP VIRTUALIZATION: VMware & NComputing
SERVER VIRTUALIZATION: VMware

D | SOFTWARE

Microsoft, Adobe, Quark
Audio Music Creation: Ableton, Cakewalk, Grass Valley, M-Audio, MakeMusic, Native Instruments, Roxio, Sibelius, Sony Creative & Nero
Video Creation: Avid, Adobe, Sony Creative, Autodesk Media & Entertainment, Nero, Pinnacle & Roxio
Bags: Brenthaven, Golla, Greensmart, Incase, Marware, Mobile Edge, STM, Tucano & Higher Ground
Accessories: Anoto, Belkin, Centon, DLO, Iskin, Livescribe, Micro Innovation, Phillips, PNY, SanDisk, Tribeca, Vistablot, Wacom

E | INSTALLATION & INTEGRATION SERVICES

Managed Services: Network Consulting & Design
Installation Services: Audio Visual & Computing, Video Conferencing, plus Wireless Access, Network and Data Center & Cabling
Onsite Technicians
Programming Services: Control Systems & Video Conferencing
Support Services: OnCall, HTTP, Technology Management & Custom Imaging
Training/Professional Development: Instructional Technologies, 21st Century Courtroom and Boardroom Training
Physical Security & Video Surveillance Services: Cisco

F | ACCESSORIES AVAILABLE ON OUR WEBSITE

Solutions: Interactive Boardroom, Networking, Security & Disaster Recovery
Systems: Desktops, Notebooks, Tablets, Servers & Presentation Carts
Hardware: Monitors, Projectors, Cameras/Camcorders, Printers, Ink, Toner, Keyboards, Mice/Pointing Devices, Scanners, Power Devices & other accessories
Software: Operating Systems, Networking, Security, Utilities & Office Productivity
Networking: IP Telephony, Modems, Routers, Bridges, Video Conferencing Products, Cables, Hubs, Switches, WAPs, Security Devices, Cards, Adapters & other accessories
Storage: Flash/Memory Drives, Adapters, Cables, Enclosures, RAID Arrays, CD/DVD Removable Media & other accessories
Contracts: Contract availability varies per state. Contact a sales representative for more information regarding your specific needs.



ISO Certification 9001
ISO Certification 2004

Productivity redefined.

Choose the desktop that is right for you! From space saving all-in-ones to traditional towers and small form factors, today's desktops offer an incredible array of high performance features and energy-saving capabilities. Integrated next-generation graphics packages bring amazing new visual dynamics into play for the ultimate in realism—high-quality video playback, sharper images, and richer color.



HOWARD™

Howard Q67

Super-charged levels of performance

Work faster than ever before with Howard's new Q67 desktop computer. Powered by the latest Intel® Core™ i7, i5, and i3 processors, you know it's fast! Now, add the integrated gigabit NIC, SuperSpeed USB 3.0, SATA-600, eSATA, FireWire, DDR3 and support for Intel's HyperThreading and Turbo Boost Technologies and you have an ultrafast desktop—one that delivers super-charged levels of performance and an abundance of high-speed connectivity.

- Intel® Core i7, i5, & i3 processors
- Turbo Boost Technology
- HD Video Playback



Choice System

THE Howard Advantage

Take a look below to learn more about the 3 category systems for Howard branded products.



Logic

Value priced systems, ideal for browsing the internet, emailing, or creating word documents.



Merit

Affordable systems for playing games, multi-media playback, or everyday business applications.



Choice

Enough power for any workload; high-performance upgrades, enhanced security, and long-life cycles.

Howard All-In-Ones

Performance and reliability in one sleek package



Howard M10B

Economy and performance

- Intel's dual-core Atom™ D525 processor
- Turbo Boost Technology



Maximize your savings!

Maximize your savings by purchasing under one of our many contracts. Visit howardcomputers.com/contracts to shop for products under one of these state contracts:

- WSCA
- GSA
- PEPPM
- COSTARS

Desktop Essentials

For convenience and added functionality, choose the right desktop accessories.

Wireless Keyboards



Laser Printers



lenovo



Lenovo Desktops
Serious enterprise performance

Professional-strength PCs with stable, flexible platforms, aggressive security and easy expandability.

hp
invent



HP Workstations & Desktops
Affordable and dependable

Howard offers a wide selection of HP desktop computers to suit each customer's need, whether it applies to home office, business, or entertainment use. For small to large business customers, we offer a range of business desktop computers, workstation computers, POS systems, thin clients and blade PCs from HP.

Reliability on the go.

On-the-go! It's what we are and how we work; so, for business or pleasure, notebook computers have become lifestyle essentials. Powered by the latest high-performance processors, today's notebooks offer increased reliability, with energy-efficient technology that enables longer battery life, so you can stay unplugged longer.



HOWARD™

Howard SP13 & SP15

True value and high performance

With its 13.3" widescreen graphic-enhancing LCD and business-suited Intel® GMA HD graphics package, the SP13 makes an ideal workmate at the office or out on the road. Powered by the latest Intel® Core™ i3, i5, and i7 processors, the SP15 sports a 15.6" widescreen graphic-enhancing LCD, along with business suited Intel® GMA HD graphics or Nvidia's GT 330M discrete graphics package, for enormously enhanced visual output.



Logic Systems



SP13 & SP15 Docking Station
Dock anywhere

Howard 1681

Affordable up-to-the-minute technology

- Intel® Core i3, i5, & i7 processors
- 15.6" widescreen graphic-enhancing LCD



Howard Jag Series

High performance, semi-rugged notebooks



lenovo



Lenovo Notebooks
No-compromise performance

These portable powerhouses feature high-end processors and graphics for lightning-fast performance and durable, reliable data storage.



HP Notebooks
Power boosters

Be second-best at nothing when you select a high-performance PC with top-of-the-line processors, HD displays, and performance graphics.

FUJITSU



Fujitsu Notebooks & Tablets
Maximum productivity

Fujitsu offers the industry's widest selection of pen-enabled products to meet your exact requirements, including the award winning LifeBook Notebook and Stylistic Tablet PC series.

Notebook Essentials

For convenience and added functionality, choose the right notebook accessories.

Carrying Cases



Auto/Air Adapters



Panasonic
ideas for life



Panasonic Toughbook Products
Built With Toughness In Mind

Panasonic Toughbook® mobile computers are built to protect data and keep performing in a wide range of conditions. Engineered to withstand drops, spills, dust and grime, Toughbook computers go where the user goes, ready to perform in spite of harsh environments or rough handling.

TOSHIBA



Toshiba Notebooks & Tablets
Maximum Productivity

From business to healthcare to education—or any profession, Toshiba laptops deliver the power to help you do your best, broad connectivity for staying in touch, along with added protections for safer computing. All this, plus the quality, innovation and reliability you'd expect from Toshiba.

Tough as it gets.

Need a notebook that is as tough as your job? Howard has it! Choose Microsoft® certified semi-rugged, and fully rugged notebooks for maximum performance in challenging environments. Panasonic Toughbook® mobile computers are designed to handle almost any situation, from business-rugged computers that withstand bangs, bumps and spillage, to fully-rugged and the ultra-mobile, rugged Toughbook U1 that can survive extreme conditions, such as drops up to six feet, rain, oil, pressure, dust and extraordinary swings in temperature.



Panasonic
ideas for life

Panasonic Toughbook 31 *Unrivaled ruggedness*

With drop shock protection and MIL-STD-810G and IP65 certification, it's the undisputed leader in the fully-rugged category.



Panasonic Toughbook 19 *Fully-rugged laptop convertible tablet*

- 0.4" sunlight-viewable touchscreen LCD
- 2MP camera
- Backlit keyboard



Panasonic Toughbook 52 *The ultimate in power and portability*

- 15.4" widescreen or 13.3" touchscreen LCD
- Magnesium alloy case with handle



Panasonic Toughbook C1 *Business rugged tablet PC*

- 3.2 lbs
- Intel® Core™ i5 vPro™ Processor
- 12.1" widescreen 1280 x 800 WXGA LCD



Panasonic Toughbook U1 Essential *The original in handheld mobility*

- MIL-STD-810G, 6' drop and IP65 certified
- Only 2.3 lbs including both hot-swappable twin batteries



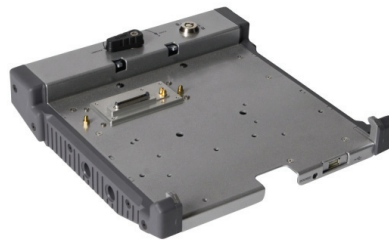
Maximize mobile productivity.

Industry-leading computer mounting devices that hold many makes and models of laptops securely in place in your vehicle.



Havis Mounting Solutions Productivity in motion

Anyone working in the Law Enforcement field knows that there is a lot of equipment required to help efficiently do their jobs. Let Havis products help to properly mount and store equipment and computers or keep prisoners & K-9's safe! Havis consoles and accessories are designed and manufactured with the driver in mind and are the first step in creating your mobile office.



Gamber-Johnson Mounting Solutions Variety and modularity



Gamber-Johnson has been known for the modular design of our car, truck, van and SUV laptop desk mounting systems. Gamber-Johnson has the widest variety of in-stock laptop desk mount products, laptop desk car mount accessories and vehicle computing options in the industry to make configuring your laptop computer desk mounting system that much easier and faster.



Lund Mounting Solutions Proven quality



Lund Industries, Inc. specializes in understanding vehicle equipment requirements and solutions for over 26 years. Lund provides your agency with informed solutions that are tested and proven; saving you time and money, while providing efficient, trouble free service from your vehicle equipment.

Print from anywhere.

Ultra-rugged, compact, and high volume mobile printing options.



HP Portable Printers *Printer to go*

Print anytime, anywhere, from a variety of devices, with HP high-performance mobile printers. Enjoy the freedom of portable printers in compact sizes.



OKI Portable Printers *The ultimate mobile printing solutions*

Compact, lightweight and rugged for easy on-demand printing.



Brother Portable Printers *Space Saver*

Fast, ultra-lightweight full-page portable printing.



Save money. Save the planet.

When you buy recycled ink from Howard.

Howard Technology Solutions offers a wide variety of brands of ink and toner cartridges to meet all your printing needs.



Visit us online at <http://www.howardcomputers.com/accessories/cartridges/> for more details.

Unparalleled video capture and more.

Solid, reliable digital video systems for real-time event recording.

Panasonic
ideas for life

Panasonic Toughbook Arbitrator 360 *Rugged mobile digital video system*

Introducing the groundbreaking Toughbook Arbitrator 360°-a rugged revolution in law enforcement video capture. The Toughbook® Arbitrator 360° is a rugged and durable mobile digital video system that can be used with or without a Toughbook computer. It is specifically engineered to excel in the demanding environments law enforcement personnel face every day. Built with legendary Toughbook reliability, this fully-integrated system offers unparalleled video capture (up to 360 degrees), storage, transfer and is designed to work with back-end software for seamless video management, including archiving and retrieving. Capture it all with the Toughbook Arbitrator 360°.



Installation services

Along with a wide range of audiovisual (AV) products, Howard also offers affordable turnkey AV solutions that include design, procurement, and installation services by a team of CVE and CTS industry-certified technicians.



Increase storage efficiency.

Keep pace with storage demands while increasing storage efficiency.



Exagrid Disk-based Backup Solution *Simple, Turnkey Appliances*

The ExaGrid system is a plug-and-play disk backup appliance that works with existing backup applications and enables faster and more reliable backups and restores. Customers report that backup time is reduced by 30 to 90 percent over traditional tape backup. ExaGrid's patented byte-level data deduplication technology reduces the amount of disk space needed by a range of 10:1 to as high as 50:1, or more, resulting in a cost that's comparable to traditional tape-based backup.



SPECTRA LOGIC



Spectra Logic Solutions *Continuous data growth*

Spectra Logic's archive and backup data storage tape products support all aspects of secondary storage, are compatible with every major tape and disk format, and supply integrated encryption and key management options through the intuitive BlueScale® 10 interface.

Virtualization from VMware

VMware Virtualization *Transforming virtualization*

VMware delivers powerful, proven virtual infrastructure solutions that enable state and local governments, federal government agencies and military installations to increase the efficiency and cost-effectiveness of their IT operations.



HP Storage Systems *Maximize scalability*

Industry-leading network storage products and solutions for your enterprise.

Maximum scalability, industry-leading performance, a fully integrated suite of centralized management tools.

Increase productivity.

Reinforce network security, reduce downtime, and increase overall productivity with server solutions from Howard. Choose pedestal or rack-mount configurations, with customizable performance options to suit your business needs.



HOWARD™

Howard I7-1008 Server
Change the way you do business

Howard's new i7-1008 server will change the way you do business! With support for up to two of the latest Xeon® 5500 series processors, and loaded with sophisticated features like Hyper-threading, turbo-boost and virtualization technologies, the i7-1008 can actually reduce your IT management expenses by running multiple applications and operating systems independently on a single server, and at speeds of up to 3.2GHz—that's fast! The i7-1008 offers an intelligent, energy-efficient platform that adapts to both application and user environments with ease—another solution from Howard™ that makes sense for your budget, staff and business.



Merit System

THE Howard Advantage

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Affordable systems for playing games, multi-media playback, or everyday business applications.



Choice

Enough power for any workload; high-performance upgrades, enhanced security, and long-life cycles.

lenovo

Lenovo Servers
Powerful thinking

Up to 60% faster than legacy servers, the latest generation of ThinkServers powers your line of business applications with ease.



FUJITSU

Fujitsu Servers
Rock-solid reliability

Fujitsu offers a complete range of servers designed to fill any role in today's business.



HP Proliant Servers
Affordable and functional

HP expandable servers deliver decades of engineering and integration experience designed to speed the implementation of new business computing technology.



IBM servers
Outstanding performance

IBM BladeCenter® blade servers support a wide selection of processor technologies and operating systems to allow clients to run all of their diverse workloads inside a single architecture.





Train, view, and capture.

Meet your management and training objectives, reduce travel time and expenses, and improve overall productivity with interactive solutions from Howard. Interactive technologies enable global flows of information that promote active learning, facilitate effective collaboration, and improve data-driven decision making. Regardless of the size of your organization or budget, or whether you spend your days in the boardroom or briefing room, we have the interactive solution that is right for you.



Mimio®

MimioTeach & MimioView

Mimio innovation makes it possible

What if you didn't have to buy an interactive whiteboard to get an interactive whiteboard? With MimioTeach you can transform any whiteboard into an interactive whiteboard. The MimioView document camera is fully integrated with MimioStudio software and the MimioTeach system, making it easier than ever to capture images and present them in your training presentations.



Mimio Interactive Whiteboards

Reliable performance - all day, every day

If your training room is not already equipped with a standard whiteboard, Mimio Interactive Boards are the answer—an “all-in-one” interactive whiteboard with clear advantages over the competition. The Mimio Interactive Board is powered by Mimio Studio software, the easy-to-use, all-inclusive suite of tools and resources that will give you interactive training a positive edge.



MimioCapture

Automatically save what you write

The MimioCapture™ ink recording system is the perfect accessory to MimioTeach technology. It allows you to save whiteboard notes and drawings to your computer as you teach or train.



MimioPad Wireless Tablet

Train on the move

With a MimioPad™ wireless tablet, you can control your whiteboard from anywhere in your classroom. It comes with a wireless USB receiver that communicates automatically with the MimioTeach system.



Mimio Wireless

Go wireless for even greater convenience

When your training room presents physical challenges, the Mimio Wireless option lets you operate your Mimio Interactive system without a USB cable.



MimioVote Assessment System

Maximize Participation

- Get real-time results and eliminate manual test correction.
- Track progress, as well as scores tallied over time, through instant feedback.





Deliver fresh, relevant information to a wider audience in seconds.



- 100% web-based (unlimited user access via a browser)
- Access from anywhere to anywhere
- Single content manager (fully scalable, allows growth over time)
- Popular Image, media formats, combine bulletins, audio, video, data feeds, flexible multi-window layouts (all in the comfort of your office)
- Better message recall
- Attractive, informative
- Easy, fast customization
- Target messaging – Desktop messenger, screensaver, RSS publisher, text messenger
- Conference room on-site manager – Allows you to schedule meetings right at the room sign.
- Revenue producer for your business





The most powerful wi-fi solution in the industry

The Xirrus Wi-Fi Array is the most powerful Wi-Fi solution in the industry with enough capacity and performance to replace switched Ethernet to the desktop—ideal for offices, cubicles, conference rooms, auditoriums, campuses, warehouses, remote users, emergency response, etc.



- *Delivers 4x more coverage than traditional APs*
- *Supports 100's of users per device*
- *Up to 8X the bandwidth and 14X the throughput of traditional APs*
- *Multiple tunable radios, automatic channel, cell, interference, and load optimization of the RF environment*
- *Integrated Wi-Fi Firewall, integrated spectrum analyzer, and dedicated Wi-Fi Threat Sensor, and rogue AP blocking*
- *Resiliency at the radio, Array, uplink, backhaul and power level*
- *Line rate encryption within the Array - no bottlenecks*
- *Modular design and flash upgradeable allows for quick field upgrades*
- *75% less devices, cabling, switch ports, and installation time*
- *Security policies can be created for different types of users to control parameters such as time-of-day and day-of-the week access, QoS, and traffic limits*
- *Clients location can be mapped to building floorplans based on location of the client relative to the Array.*



Stay fully connected.

Stay fully connected in any emergency situation, and in any environment, with Howard's Modular Emergency Response & Logistics Instrument, MERLIN. MERLIN features industry-leading, mission-critical communications devices securely mounted inside a weatherproof, impact resistant, and fully transportable case—the strongest on the market.

It has a convenient lift-up tray, rugged notebook, portable printer, and other accessories that allow this easy-to-deploy emergency case to function as a mobile office. For life and death operations in disaster stricken areas or mission-critical collaboration in remote locations, the Howard MERLIN keeps you fully connected—anywhere, at any time.



The Howard Modular Emergency Response & Logistics Instrument





Whenever, wherever...

Tacticomm is the solution for your command and control needs.

In the aftermath of a major disaster, whether natural or man-made, first responders must act quickly in establishing command presence, resource control, and communication interoperability. This capability is equally important for agencies tasked with maintaining public safety at large-scale events and organizations charged with a quick response to non-emergent incidents. That is where Tacticomm comes in.





**WHY WAIT?
START SHOPPING
OUR WEBSITE NOW FOR
GREAT DEALS!**

**THE PRODUCTS LISTED ARE
AVAILABLE FOR PURCHASE
NOW ON OUR WEBSITE**

www.howardcomputers.com

SOLUTIONS - Networking, Security, & Disaster Recovery

SYSTEMS - Desktops, Notebooks, Tablets, Servers, & Presentation Carts

HARDWARE - Monitors, Projectors, Cameras/Camcorders, Printers, Ink, Toner, Keyboards, Mice/Pointing Devices, Scanners, Power Devices, & other Accessories

SOFTWARE - Operating Systems, Networking, Security, Utilities & Office Productivity

NETWORKING - IP Telephony, Modems, Routers, Bridges, Video Conferencing Products, Cables, Hubs, Switches, WAPs, Security Devices, Cards, Adapters, & other Accessories

STORAGE - Flash/Memory Drives, Adapters, Cables, Enclosures, RAID Arrays, CD/DVD Removable Media, & other Accessories

CONTRACTS - Contract availability varies per state. Contact a sales representative for more information regarding your specific needs.

HOWARD™

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