

# HOWARD TECHNOLOGY SOLUTIONS

PRODUCTS | SERVICES

# HOWARD™

# Discover the Howard Advantage!

## Howard Technology Solutions Products & Services



Strategic partnerships with other industry leaders enable us to offer a rich portfolio of over 250,000 technology products ranging from desktops, notebooks, and rugged laptops that can handle the most extreme mobile environments to digital cameras, printers, and a powerful array of network security tools to ensure that your system is fully protected. We also offer specialized mobility solutions that include our automatic vehicle locator (AVL) and Tacticomm, our modular emergency response vehicle.

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**HOWARD**<sup>™</sup>

888.912.3151

www.howardcomputers.com

## A. COMPUTING SOLUTIONS

Desktops - Howard, Lenovo, and HP

Notebooks & Tablets - Howard, Lenovo, HP, Fujitsu, Panasonic, & Toshiba

Software Solutions - Kaspersky, Adobe, Quark, Symantec, Bakbone, Bomgar, Commvault, Faronics, McAfee, & Microsoft

## B. MOBILE & OFFICE SOLUTIONS

Rugged & Semi-Rugged Solutions - Panasonic & Howard

Mounting Solutions - Havis, Gamber-Johnson, & Lund

Portable Printers - HP, OKI, & Brother

Scanners - Fujitsu, Honeywell, Zebra, & Eseek

Video Solutions - Panasonic (Arbitrator)

Software Solutions - Net Motion

Backup Solutions - Enhance, Exagrid, Spectra Logic, VMware, & HP

Servers - Howard, Lenovo, Fujitsu, HP, & IBM

Switches & Wireless Access Points - Extreme, Enterasys, Proxim Wireless, Cisco, & Xirrus

Mobile Presentation Carts - Howard Helix

Disaster Recovery Solutions - Howard Merlin

Mobile Communication Solutions - Howard Tacticomm

AVL - Fleet Management

## C1. NETWORKING/INFRASTRUCTURE SOLUTIONS

Interactive Solutions - Mimio, BenQ, & Epson

Projectors - Epson, Viewsonic, InFocus, Sanyo, Panasonic, & BenQ

Projection Screens - Da-Lite

Document Cameras - Elmo, AverMedia, Qomo, Lumens, WolfVision, & Samsung

Audio Solutions - Howard, Frontrow, Panasonic, & Califone

Control Systems - SP Controls, Extron, & Crestron

Video Conferencing - Shortel, Polycom & LifeSize

Video Streaming Solutions - VBrick

Mounts - Chief

Digital Signage - Visix, LG, Viewsonic & NEC

Cables - Cable To Go & Tripp Lite

Furniture - Spectrum Industries

Storage - Array Networks, Advanced HPC, Tegile, Extreme Networks & Exagrid

Security - Axis & NetMotion

## C2. Virtualization

Desktop - VMware & NComputing

Server - VMware

## D. INSTALLATION & INTEGRATION SERVICES

Managed Services - Network Consulting

Installation Services - Audio Visual & Computing plus Wireless & Cabling

Programming Services - Control Systems & Video Conferencing

Support Services - OnCall, HTTP, Technology Management, & Custom Imaging

Training - Instructional Technologies & Curriculum Training

Physical Security & Video Surveillance Services - Cisco



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

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

[www.howardcomputers.com](http://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.



# 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](http://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



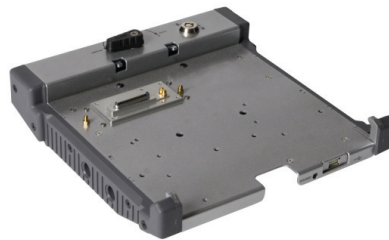
# Maximize mobile productivity.

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



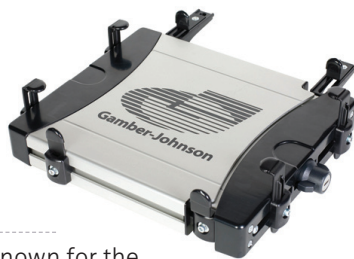
## Havis Mounting Solutions Productivity in motion

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 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.



## 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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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.

## 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.



### 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.





**HOWARD™**

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