

PRODUCTS | SERVICES





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 supporing 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

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, Vistablet, 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, HTPP, 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 Decives, Scanners, Power Devices & other accessories Software: Operating Systems, Networking, Security, Utilities & Office Productivity

Networking: IP Telephony, Modems, Routhers, 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.

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

Howard B75

Performance, Security, IT Simplicity

From corporate environments to small business ventures, Howard's new B75 desktop computer delivers the perfect mix of performance, security, and IT simplicity. Built-in support from Intel's Small Business Advantage technology gives you the advantage by minimizing PC downtime, improving workflow, and protecting your data through continuous monitoring of security software and automatic backups. It's your business—take care of it with the new B75 from Howard.



Merit System

- Intel® Core™ i7, i5, and i3 vPro™ processors
- Onboard DirectX 11 compliant graphics engine
- Range of connectivity options including SATAII, SATAIII and USB 3.0

Howard H61N1 All-In-One

Simplicity, Reliability, and Affordability - All-in-One.



Howard HM76 Nano

Space-saving, energy efficient computing made powerful







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



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

Desktop Essentials

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

Wireless Keyboards



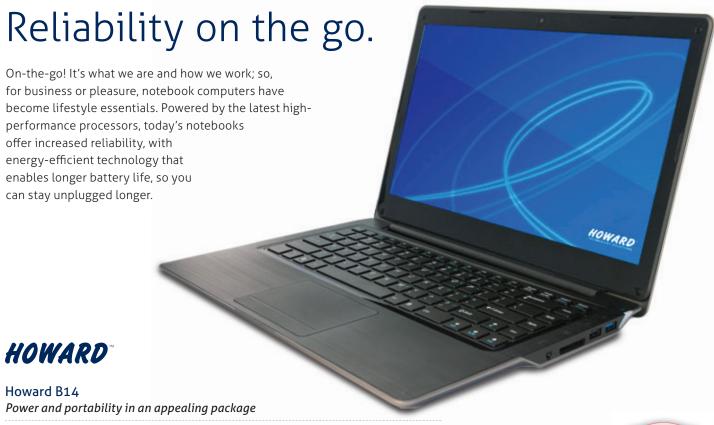
Laser Printers





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.



Howard's sleek, new B14 Ultrabook tops off a winning combination of high performance, speed, and reliability with a stylishly thin chassis, a sophisticated departure from ordinary notebook computers that is lightweight and easy to carry. Powered by Intel's latest 3rd Generation i-Core™ mobile processors, the B14 has low power requirements that conserve energy and extend battery life without compromising performance. Features include a 14.1" WXGA graphic-enhancing LCD and powerful Intel® HD graphics for brilliant images and incredible realism, 802.11n and Bluetooth wireless options for high-speed connectivity, and a webcam. Power and portability in an appealing package—that's the B14 Ultrabook from Howard.



Merit System



Docking Station

Dock anywhere

Howard W130 Speed, Performance, & Reliability

- Intel® Q77 chipset
- HD 4000 graphics package



Howard Jag U12C High performance, semi-

rugged notebook

- Intel® Core i5 560UM Dual Core processor
- 12.1" WXGA Touch Screen



lenovo



Lenovo Notebooks
No-comprimise 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 Toughpad FZ-A1

The tablet that dares to go where no tablet has gone before

The first fully-ruggedized, fearless tablet powered by Android 4.0 combines high-encryption data and device security with the seamless connectivity and enterprise-grade technology businesses and government agencies require. Engineered to perform in any environment, the FZ-A1 remains the unscathed, undefeated champion of rugged tablets with the unmatched reliability and low maintenance that makes it the industry's flagship rugged mobile computer.



Panasonic Toughbook C1

Business rugged tablet PC

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



business RUGGED

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





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.



RUGGED

Panasonic Toughbook 52

The ultimate in power and portability

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



RUGGED



Maximize mobile productivity.

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



Docking Station for Panasonic Toughpad Part # DS-PAN-501

- The only Toughbook certified docking station for Panasonic Toughpad A1 tablets
- Low profile design maximizes available space inside of vehicle
- Full port replication and integrated strain relieving provide simple, safe, and secure connectivity to essential peripherals, as well as convenient and efficient cable management
- Rounded corners and edges are ideal for your safety in accidents and airbag deployment, in addition to daily use and operation of docking station
- Designed to fit all Havis mounting equipment as well as VESA 75 pattern mounting equipment
- Lock and key supplied for peace of mind theft deterrence



Universal Tablet Mount

Part # UT-201

- Havis universal tablet mount
- Non-electronic tray is adjustable to fit and secure a large variety of tablet models
- Easy to use and customize to fit your computing needs
- Adjustable lugs accommodate a wide range of tablet and protective case heights
- Thin profile maximizes space inside your mobile workplace
- Fits all VESA 75 pattern mounting equipment
- Rounded corners and edges are ideal for your safety in accidents and airbag deployment, in addition to daily use and operation of universal tablet mount
- Easy to use latch handle makes certain your tablet is safe and secure inside your vehicle
- Lock and key supplied for peace of mind theft deterrence

Toughbook Certified Docking Station for Panasonic Toughbook H2 Tablets

Part # DS-PAN-601

- Toughbook certified docking station for Panasonic Toughbook H2 tablets
- Low profile design maximizes available space inside of vehicle
- Full port replication and integrated strain relieving provide simple, safe, and secure connectivity to essential peripherals, as well as convenient and efficient cable management
- Rounded corners and edges are ideal for your safety in accidents and airbag deployment, in addition to daily use and operation of docking station t cable management



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

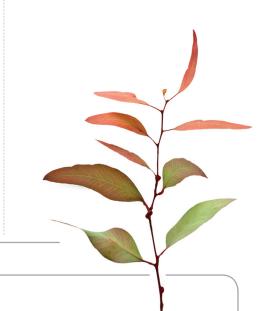
Compact, lightweight and rugged for easy on-demand printing.





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

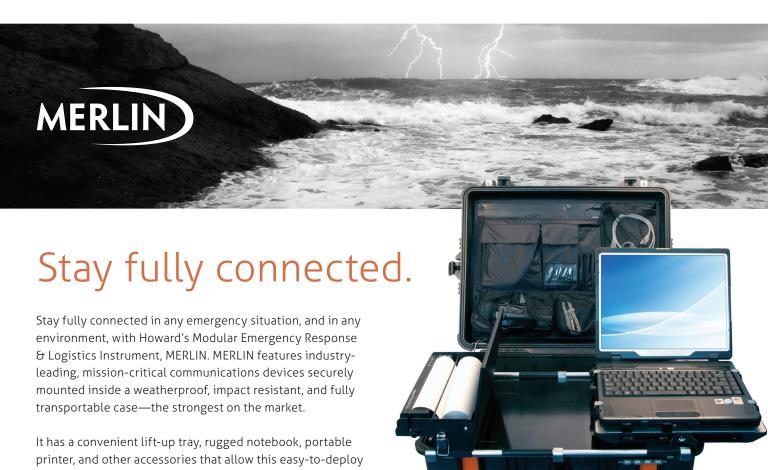
Introducing the groundbreaking Toughbook Arbitrator 360°-a rugged revolution in law enforcement video capture. The Toughbook® Arbitrator 360° is a rugged and durable mobile digital video system that can be used with or without a Toughbook computer. It is specifically engineered to excel in the demanding 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.





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













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.











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.

DYMO

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.



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, industryleading 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.



_{тне} 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

Howard IE5-22165 Server Change the way you do business

Expand your business with Howard's powerful, new performance server, the IE5-2216S. Built on Intel's new E5 technology, this ultra-dependable, 2U server platform is designed to deliver up to 70% more power than the previous generation, while reducing energy consumption. The IE5-2216S features dual 8-core processors with Hyper-Threading, up to 24 memory DIMMs, and tremendous storage capability, with 16 hot-swap drives for more advanced storage configurations. It has dual power supplies for increased available uptime and a dedicated NIC for full KVM functionality and remote management options. Howard's IE5-2216S is easy to deploy and provides a solid networking infrastructure for business now, with expandability options to help meet future needs. Grow your business with the energy-efficient, high-performance IE5-2216S from Howard.



Merit System

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.



IEW.

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.







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.



- 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.





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











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.

