The Data Center Company
who is CSC?

Founded in 1972, Communications Supply Corporation (CSC), a subsidiary of WESCO International, Inc. (NYSE: WCC) distributes a full range of IP infrastructure and security products and solutions. Together, CSC and WESCO form the largest electrical and data communications network in North America, with 380 full-service branches, a full suite of global distribution capabilities, and annual sales of over $4.5 billion.

With vast resources at their fingertips, the CSC sales team does more than just provide product. Our tenured sales force has a passionate commitment to understanding your unique business needs and will strive every day to get you the best products, the most robust technical expertise, and the most cost-effective logistics solutions available in the data communications distribution business.

why CSC?
It's simple. Our people, passion, and expertise.

That's why customers choose CSC. They know our team will do whatever it takes to make them successful each and every day. They value the passion we put into everything we do, and realize — when their jobs are on the line — we'll be there with the answers they need. They view us as their trusted advisor, who can help them make the transition from legacy infrastructure technologies to state-of-the-art IP solutions. It's really that simple. More and more companies turn to CSC because of our people, passion, and expertise.

services

CSC's distribution services help customers increase productivity and reduce costs by identifying and deploying solutions based on their specific project requirements. CSC offers an extensive range of services to fit your needs, including:

- 24/7 Customer Service and Support
- eBusiness Solutions
- Rapid Return Program
- Expedited Product Sourcing
- Feed-the-Job Delivery
- Project Staging
- Kitting and Labeling
- Strategic Sourcing and Supplier Selection
- Flexible Financing

- Technology Training and Education
- Custom and Consolidated Reporting
- Job Trailers
- Energy Audits
- Recycling Services
- Power & Cooling System Evaluations
- Integrated Supply
- Real-Time National Network
- Cut-to-Length Cabling Services

solutions

CSC distributes a wide range of products to support commercial, residential, and government customer applications, including:

- Network Copper & Fiber Cabling & Connectivity
- Network Cabinets and Racks
- Data Center Products and Solutions
- Networking Electronics and Wireless
- Low-Voltage Cabling
- Security Solutions
  - Sound and Paging
  - Video Surveillance
  - Notification
  - Professional Audio/Visual
  - Access Control

- Power, Cooling and Monitoring Solutions
- Power over Ethernet Equipment
- Test Equipment
- Outside Plant Solutions
- Smart Grid Solutions
- FTTx (fiber to the home or business)
- In-Building Wireless Solutions
At CSC, we get it. We get that you’re always being asked to do more with less. We get that technology is rapidly evolving every day and that you’re at the very center of it all. And, because we get it, we’ve compiled the nation’s most comprehensive set of products and services designed to reduce energy consumption, maximize space, streamline cooling and increase security in every square inch of every cubic foot in your data center. With over 40 years serving IT professionals, we’ve grown to meet your ever-expanding needs. Backed by the power of WESCO and the industry’s leading suppliers, it’s about time you turned to The Data Center Company – CSC.

Call 1.877.462.7279 or visit gocsc.com
At CSC, we understand the frantic world you live in. IT.Ops. Facilities. Everybody's got demands. You’re running out of power. Temperatures are rising. You’re faced with limited space. And everybody wants results twice as fast. For half the money.

To stop this never ending downward spiral, CSC, in conjunction with our parent company WESCO, has created a suite of services that can contribute in your quest to cut utility bills, improve cooling efficiencies, maximize space and lower carbon footprints.

Whether you’re striving for LEED certification, or just want to be certain that new cabinet you ordered is placed in the right spot, CSC is here to help.

The following services may help contribute to LEED points in the areas indicated.

**Power System Evaluation**
A Data Center Power System Evaluation identifies inefficient systems by measuring actual data center power flows. A breakout of IT power consumption from total data center power consumption determines the amount of electricity consumed by the data center for every watt of power drawn by the IT equipment, facilitating apportionment of total electrical costs. Recommendations to improve efficiency can lower energy costs while maintaining or improving availability.

**Cooling System Evaluation**
The Cooling System Evaluation utilizes 3-D Computational Fluid Dynamics (CFD) modeling to provide a baseline visualization of temperature and airflow patterns. This service then identifies excessive temperatures and restricted airflows that can compromise reliability and availability of equipment. A predictive impact analysis of potential high density loads simulates causality situations and “what if” scenarios. This feature allows the data center operator to model the results of planned modifications or investigate potential failure modes. Recommendations are provided to reduce overall utility expenses and improve cooling efficiencies to optimize data center productivity.

**Energy Audit**
A Data Center Assessment provides a clear picture of a data center's critical power and cooling systems and identifies operational inefficiencies. Recommendations are provided, based on unbiased best practices, to remedy any problem points, lower energy costs, and plan for future growth projections.

**CSC’s Sustainability Commitment is Comprehensive**
CSC is a member of the U.S. Green Building Council. Through reduced energy consumption, recycling, and other money and energy-saving initiatives, we are working to shrink our own carbon footprint.

*For more information, please call 877-344-7470 or email LEEDassist@gocsc.com*
Data Center Planning
Programming and construction for data centers have significantly grown in complexity and cost over the years. Technology and standards rapidly evolve, further complicating the process to solve issues relating to capacity, cooling and power. Organizations need to collaboratively drive the vision for the data center from the earliest stages in planning. Properly planned data centers with well thought out designs and layout maximize uptime as well as energy efficiency. Up-front planning ensures the data center will have an adaptable technology foundation that will meet business objectives and goals today and well into the future.

When you employ these Data Center Compass® Features:
✓ Intuitive 5 Step Process
✓ Conceptual/Schematic Programming
✓ Built-In Data Center Engineering
✓ Growth & Capacity Planning
✓ Holistic Design Approach
✓ Supports Various Levels of Technical Expertise
✓ Detailed Reports & Estimates

You can enjoy these Data Center Compass® Benefits:
✓ Develop Goals & Strategies
✓ Identify Problems & Limitations
✓ Avoid Errors & Oversights
✓ Shorten Programming Phase
✓ Bridge Communication Gaps
✓ Define IT & Facility Requirements
✓ Save Time & Money

The Data Center Compass® translates the technology needs into estimated costs for the Data Center, allowing stakeholders to make sound decisions from a business and technology perspective.

The Data Center Compass® provides the details to ensure the Data Center can support the technology required for seamless operations.

The Data Center Compass® ensures the facility will support the IT requirements necessary to meet the communication demands from day one throughout the forecasted life cycle of the facility.

*CSC is an Authorized Reseller. For More information go to www.gocs.com/Acuity or call 877.462.7279 to Schedule a Demo of the Data Center Compass®

Call 1.877.462.7279 or visit gocs.com
Efficient ways to reduce energy consumption.
Rack Based Power Distribution Unit
Liebert MPX PDU
A variety of AC power input modules and hot-swappable output power modules are available to support your power distribution configuration requirements.
Available remote monitoring and control to the receptacle level, as well as monitoring of environmental input options, such as rack temperature and humidity.
A modular communications card allows a variety of monitoring options.

Rack Mount Power Distribution Unit
Eaton® ePDU® (enclosure power distribution)
Made to order units distribute 1.4 kW to 15+ kW levels of power with seven levels of functionality, including standard and high density and current monitoring per outlet.
Designed specifically for data center IT environments and they provide manageability and customizable enclosure control.

Rack Mount Power Distribution Unit
FLX Series rack PDU
Made to order solution with 120V or 208V single-phase, or 208V three-phase input voltage and 20-, 30-, 50-amp configuration options available.
Metered units utilize SmartMeter Technology for power monitoring.

Energy Solution that Generates Clean Electricity and Chilled Water
PowerTherm™ Direct Chill
Exhaust from the MicroTurbine generator is directed through an absorption chiller, which is able to produce chilled water from a heat source; the chilled water can then be used for data center cooling.

“We need to get power to all of our devices and monitor their energy use.”
“I need a large scale back-up power solution that provides cooling and is energy efficient.”

Call 1.877.462.7279 or visit goesc.com
3-Phase Rack Mount Uninterruptible Power Supply  
*Eaton® BladeUPS®*

Provides power protection from 12 to 60 kW with N+1 redundancy in single 19-inch rack enclosure

Compact solution that generates 75% less heat than the competitors’ legacy end-of-row solutions thereby reducing your energy and cooling costs

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Single Phase Uninterruptible Power Supply  
*Eaton 9155 UPS*

Delivers a high-efficiency, low input current distortion, and high power factor, while conserving valuable floorspace with a 75% footprint reduction versus comparable UPS solutions

Internal batteries provide up to 350% more runtime and offer 13% more capacity at equivalent VA ratings

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3-Phase Uninterruptible Power Supply  
*Eaton 9390 UPS*

Provides backup power and scalable battery runtimes in a small footprint for large data centers

Received a Sustainable Materials Rating Technology (SMaRT) Gold certification making it certified to contribute to Leadership in Energy and Environmental Design (LEED) points for buildings and projects from the U.S. Green Building Council (USGBC)

Optional Energy Saving System available; this technology improves energy up to 99% without sacrificing reliability

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Modular 3-phase Uninterruptible Power Supply  
*Symmetra® PX*

Provides back up power in a dedicated and redundant module based solution addressing power, intelligence, battery and bypass

Can scale power and runtime as demand grows or as higher levels of availability are required; includes self-diagnostic capabilities
“My data center is a huge capital investment—we can’t afford power outages that result in downtime!”

Single Phase Uninterruptible Power Supply  
*Eaton 9130*  
Cuts energy usage and costs with a >95% efficiency rating in high efficiency mode  
Extends battery runtime for critical devices with load segments  
Provides more real power to protect more equipment and leave room for expanding IT systems with a 0.9 power factor  
Maximizes runtimes with optional extended battery modules

Row-based On-line UPS  
*APM*  
Transformerless on-line UPS that allows quick and easy capacity increases with FlexPower™ hardware assemblies - no additional floor space required  
Operates at a very high efficiency - up to 94% at loads of 50-100%

Data Center Infrastructure Management Software Solution  
*dcTrack™*  
Optimize capacity planning and improve power infrastructure provisioning, which reduces capital spending  
Reduce and control energy costs with real-time power usage monitoring and granular power usage breakdown  
Prepare, plan and execute a data center relocation project into a new facility with confidence  
Reduce costs by eliminating the need to manually trace circuits and connections

Energy Management Software for Data Centers  
*Power IQ*  
Time-based power management of energy cost, temperature, active power, line capacity and carbon footprint, which supports improved data center availability, enhanced power capacity planning, and improved energy efficiency  
Trending reports and cumulative totals can be displayed at the data center, floor, room, rack, customer and IT device level; customer energy billback cost reports can also be generated in the local currency  
Open Database Compliant (ODBC) design and a standards-based Web Service API for easy integration with Enterprise systems and programs

“Is there a real-time solution to track power usage across my data center?”

Call 1.877.462.7279 or visit goesc.com
Meeting demands to keep it cooler.
Data Center Cabinet
Net-Serv™ 28" High-Density Cabinet
Provides a superior combination of thermal management and space utilization for server applications, optimizing the physical infrastructure.
Improves the overall thermal efficiency of the cooling system and eliminates exhaust-area choke points by providing segregation of hot and cool air.
Channels hot air from the cabinet directly into the overhead return plenum which prevents hot air recirculation and the rising of room and chilled water temperatures with the Vertical Exhaust System (VES).

Data Center Cabinet
F-Series TeraFrame® Cabinet with Vertical Exhaust Duct
Supports CPI Passive Cooling® Solutions where customers can reduce data center cooling costs up to 90%, and can save up to 40% on total data center energy costs.
Cabinet allows customers to achieve 2 to 30 kW of cooling, without the need for supplemental cooling systems.
Sturdy, welded steel construction with up to 2,500 lb static load rating.
Easily configurable with 19” rack-moount rails with RMU markings for fast equipment mounting.

Data Center Cabinet
Mighty Mo® 10 Cabinet
Designed specifically to improve airflow, the Mighty Mo cabinets enable more efficient cooling through the use of patent pending airflow baffles that provide separation of hot and cold aisles and redirect airflow from side vented equipment so it matches the front to back airflow of servers.
This passive cooling approach reduces power consumption, thereby reducing costs and impact to the environment, while also mitigating the risk of equipment failure.

Data Center Racking System
iFrame® Racking System
Optimizes airflow by creating designated cable pathways away from center of cabinet thereby optimizing cooling and extending the life of active equipment.
Superb cable management reduces administration time and operating expense.
Greater than 15% improvement in data center floor space management over a traditional racking system.

Data Center Cabinet
VersaPOD Data Center Cabinet
The base VersaPOD cabinet provides over 7kW of cooling capacity, maximized by its ability to move airflow-obstructing cables into dedicated vertical zones.
Vertical cable management and patching reduces cord and cable congestion in the horizontal space, eliminating a major source of airflow obstruction for more efficient thermal management.
Cable management trays can be installed between bayed cabinets to isolate and minimize air flow from cabinet to cabinet while facilitating routing and slack management of horizontal or backbone cabling.
Features a completely open base, enabling maximum air flow and routing of cabling into or out of raised floor.
Perforated front and rear doors enable over 71% airflow to ensure the proper hot aisle/cold aisle circulation.

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“We have our current cabinets can’t breathe and are heating up the room - help us find a solution to work with our gear!”

Call 1.877.462.7279 or visit gocsc.com
“I know where it's getting hot, but I just can’t keep it cool - I need a targeted cooling solution!”

Self-Contained Cooling, UPS Protection, and Monitoring Rack Enclosure Solution

**Liebert® Mini Computer Room (MCR)**
Includes a load-sized, computer-grade air conditioner located at the bottom of the enclosure, with the option of a top mount design, supplying cool air to sensitive equipment on all levels
A back-up cooling system ensures environmental security

**Row-based Precision Cooling System**

**CRV™**
Installs within a row of data center equipment racks, providing precision cooling close to the server heat source for the most efficient and effective operation
Provides up to 30kW cooling per rack using air, water/glycol or chilled water

**Full-Height High-Density Micro-Modular Data Center**

**Re-locatable Adaptive Suspension Equipment Rack (RASER)**
Provides up to 16kW of closed loop cooling for any standard rack-mountable equipment in a self-contained vibration isolated 42U enclosure
Completely sealed enclosure can be deployed in environmentally difficult locations
Patented closed loop cooling provides containment of hot and cold aisles so the cooling is applied directly to the equipment, saving 40-65% in energy costs

**Self-contained Mobile Micro-Data Center**

**Climate Controlled Campus Self-Propelled Electronic Adaptable Rack (C³-SPEAR)**
Provides up to 6kW of closed loop cooling for any standard rack-mountable equipment in a self-contained vibration isolated self-propelled mobile 24U enclosure
Completely sealed enclosure can be deployed in environmentally difficult locations
Patented closed loop cooling provides containment of hot and cold aisles so the cooling is applied directly to the equipment, saving 40-65% in energy costs

**Cabinet Heat Containment System**

**Adaptive Enclosure Heat Containment System**
Removes the optimal amount of air from the cabinet through a pressure reading made by a sensor inside the cabinet, which controls the speed of the fans in the two cartridges mounted atop the enclosure
Reduces the IT enclosure cooling costs by 30-50% achieving 100% utilization of the existing cooling capacity
Provides local and remote environmental monitoring which contributes to protecting the active equipment
2U Fan Unit that Connects into the Raised Floor to Pull Supply Air into the Cabinet

**Rack Air Distribution**

Prevents the conditioned air from mixing with warmer room air before reaching the equipment; this minimizes temperature differences between the top and bottom of the enclosure, while also preventing hot exhaust air recirculation to the inlet of the enclosure.

Recommended for rack enclosures with loads greater than 1.5kW and can provide airflow for loads up to 3.5kW; it is also ideal for enclosures in raised floor environments where underfloor air distribution is inadequate.

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**Raised Floor High Density Airflow Panel**

15TSS 65%

Improves airflow utilization efficiency, which reduces energy used for cooling by up to 50%.

Dual lift and lock handles included for easy installation; tile can be locked to the floor therefore securing the servers from access below the floor.

Dual leveler/alignment allows for retro-fit in any floor system.

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**Raised Floor Air Sealing Grommet**

**Cool Boot® Cabinet Top Air Sealing Fitting**

Improves cooling of network equipment and reduces energy costs by minimizing hot air bypass around cables.

Prevents air from escaping around cable bundles when routed through the top of a cabinet with Ultra-Cinch™ Cable Ties.

Safely routes and protects cables into Net-Access™ and Net-SERV™ Cabinets.

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**Handheld Thermal Imaging Camera**

**Ideal Heat Seeker™ Thermal Imager**

Identifies potential hot spot problems quickly and easily.

Hottest/coldest temperatures displayed instantly on live screen.

Provides high and low temperature alarms.

6-hour battery life in a tripod mountable unit.

ThermalVision PC software included to view, edit and analyze images; includes automatic report generating capabilities.

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**Wire-Free Environmental Monitoring**

Environmental sensor tags including temperature, liquid detection, humidity, door open/close and dry contact for complete environmental protection of critical assets within your data center.

Flexible, wire-free sensors for easy deployment anywhere.

RF Code’s customer configurable software manages tag and sensor data to enable real-time monitoring, alerting and reporting about the physical and environmental conditions that can affect assets.

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“We’ve tried everything to keep it cool, but we still have hot spots!”

“With rising costs to power and cool our data center, we need real-time, efficient environmental monitoring.”

Call 1.877.462.7279 or visit gocsc.com
Maximizing every square inch of every cubic foot.
featured solutions

Next Generation Copper Patch Panel, Patch Cord, and Cable Management Solution
SYSTIMAX VisiPatch® 360 System
Utilizes a unique reverse patching technology, allowing the patch cord to be projected away from the user and into the patching field thereby minimizing congestion and allowing for maximum usable density.
Incorporates patching and integrated cable management in a single solution that saves space, time, and money.
Available in Cat 6A performance.

“Expansion is not an option for us - so we need to make better use of the space we have.”

Fiber Optic Shelf Solution
SYSTIMAX 360™ Ultra High Density Fiber Optic Solution
Using factory-terminated InstaPATCH® fiber MPO trunk cables and MPO/LC ruggedized fan-outs, pathway space is conserved while still providing easy accessibility to equipment ports.
Options include 1U and 4U panels providing a 50% increase in usable density; designed to support the most space demanding of applications and provide space and cost saving solutions for data center customers.
Supports today’s OM3 and OM4 standards and provides seamless migration path to 40/100G speeds.

12 Port Zero-U Patch Panel
VertiGO® Zero-U Patch Panels
Consumes no rack space, making it the perfect solution for tight spaces.
Suited for Data Center server and equipment cabinets, VertiGO mounts in multiple types of cabinets, in a ladder rack, on a wall, or under a raised floor.
Compatible with QuickPort® and Opt-X® connectivity which enables a wide range of copper and fiber connectivity options available in a single unit.
VertiGO provides easy access to connectivity, improved airflow, reduced patch cable routing complexity, and more space to manage active equipment.

Angled Modular Patch Panel
AngleFlex Patch Panel
Eliminates the need for horizontal cable management for a 27% space savings per rack.
Angled inserts allow for left, right or bi-directional patch cord routing and more efficient switch connection.
Removable angled inserts provide front access for easier termination and maintenance.

Call 1.877.462.7279 or visit gocsc.com
CORNING

MTP Harness for Brocade Equipment

_Pretium® Zero-U-System for Brocade Equipment_

Zero-U System provides a high-density MTP connector-based harness solution for the SAN

Utilizes high-density MTP adapter brackets mounted in the vertical manager, combined with customized 12-fiber harnesses for optimized routing into the Brocade DCX or 48000

“Cable congestion is as tight as rush hour on the highway!”

Multimode Duplex Fiber Optic Patch Cords and Harnesses

_EDGE™ Jumpers and Harnesses_

Enabled by ClearCurve® optical fiber, jumpers are 50% smaller and offer a minimum bend radius of eight times the cable outer diameter

More cables can be routed and stored in the same amount of space without interfering with initial installation or moves, adds and changes; extra slack can be coiled so it doesn’t interfere with cable routing, and the cable can be more tightly routed around corners and bends

Harnesses are engineered to integrate into common SAN directors for reduced congestion and better airflow

Tyco Electronics

MRJ21 Ultra Slim Patch Cords

_AMP NETCONNECT™ MRJ21 Ultra Slim Patch Cords_

MRJ21 Ultra Slim cabling system saves rack space, installation time, and operating costs without sacrificing performance

Occupies less than half the cable mass of four pair cabling, and weighs 40% less than comparable four pair cable

Simplifies moves, adds and changes

Provides Gigabit Ethernet channel performance
Smaller Outside Diameter (OD) UTP Cable

Newly developed smaller OD Category 6A cables, which are 0.300” or less, allow for easier cable routing within high density data center termination fields. These round design cables also minimize wasted space within the cable tray to provide improved fill capacity. This allows the data center to quickly and easily deploy a 10GBASE-T solution while reducing energy costs and increasing thermal performance in the data center.

Belden® IBDN® 10GX®
Berk-Tek LANmark™ 10G2
CommScope SYSTIMAX 360™ GigaSPEED® X10D
Panduit® TX6A™ 10Gig™

Raised Floor Solutions

Raised floor solutions provide a clean and invisible solution for termination and distribution of fiber and low-voltage copper cables under a raised floor grid. Serves as an innovative data center consolidation point or Zone Distribution Area (ZDA). Saves valuable real estate by utilizing space below the raised floor to mount equipment, which relieves congestion in racks and cabinets for installing network equipment.

Chatsworth Products, Inc. Raised Floor Enclosures
CommScope SYSTIMAX® Raised Floor Enclosure
Corning Fiber Zone Box
Hubbell ZOBOX® Zone Box Raised Floor Solution
Leviton Raised Floor Solution
Panduit® PanZone® Raised Floor Solution
Siemon MAX® Zone Raised Floor Solution

“My cabinets are jammed with equipment - is there other space I can utilize?”
24/7/365 visibility.

Image courtesy of Axis Communications
FTL IP Surveillance Systems by CSC

**Always Optimized. Guaranteed.**

CSC’s FTL Portal (FTLportal.com) quickly and easily configures complete end-to-end IP Video Surveillance Systems with crystal-clear video, ample bandwidth, high-speed processing and scalable video storage.

Take the guesswork out of your design and let the portal do the work. The CSC FTL Portal will guide you through a few quick steps to capture the requirements of your installation. Based on your input, the CSC FTL Portal uses state-of-the-art algorithms to analyze and assess your unique storage and processing needs, camera load, infrastructure requirements and more. This creates a customized surveillance system that is guaranteed to work for your unique installation.

**Configure end-to-end IP Surveillance Systems IN UNDER 2 MINUTES!**

**Complete more bids in LESS TIME!**

**Reduce configuration time by OVER 60%**

FTLportal.com

FTL IP Surveillance Systems are comprised exclusively of these FTL Certified components:

- FTL Video Servers and Storage Solutions
- Video Management Software (pre-installation options available)
- Free standing or wall mount cabinets with rack rails
- Uninterruptible Power Supplies (UPS)
- Category 6 rated patch cables
- Category 6 rated patch panels
- Category 6 rated Horizontal UTP Cabling
- Network Switches with Power over Ethernet (PoE)
- IP Video Surveillance Cameras and Encoders

FTL IP Surveillance Systems include products from these FTL Certified Partners:

- Axis Communications
- Belden
- CommScope
- Eaton
- Great Lakes
- Panduit

Call 1.877.462.7279 or visit gocsc.com
Biometric Access Control

**HK-2 Biometric Reader**

Biometric devices can guarantee that only authorized individuals have access to sensitive areas, such as a data center. Superior to traditional cards that can be lost, stolen or duplicated.

Electronic Cabinet Lock

**Electronic Locking System**

Automates access control and monitoring for CPI’s F-Series TeraFrame® and the N-Series TeraFrame® cabinets.

The system is controlled by software allowing administrators to assign each user or guest an access code or proximity card that will open specific cabinets; users or guests may use a proximity card or enter an assigned access code via an electronic keypad or computer terminal to access each cabinet.

The system’s lock control software creates a data log entry each time an access attempt is made.

IP-based Access Control

**Edge Reader Solo**

Stand-alone, single-door IP-based access control solution.

Bringing “Intelligence to the Door,” the flexible design includes an integrated iCLASS® or MultiCLASS™ reader or allows connection to any wiegand or most clock and data readers.

IP Based Edge Solo allows administration rights through a built in web server. It allows for remote management and event retrieval via standard web browser; no software is required.

IP Based Edge Solo utilizes PoE via Cat 5e or 6 cable saving on wire and installation costs; a separate power supply is not required.

Electronic Door Lock

**AD Series Lock**

Through the use of smart card technology and 128 bit AES encryption, the AD Series lock offers a high level of security for the data center.

Customize the electronic lock with options such as reader type, networking capabilities, finish and levers to create a perfect fit for your specific application.

“We need to control who is coming, going and accessing our cabinets.”
**featured solutions**

**WireCrafters**

**Free Standing Secured Storage Area**

*Style 840 Woven Wire Co-Location Cages*

Provides caged protection for your vital equipment

System sets up fast with standard hand tools, secure once in place, easy to reconfigure as needs change

Open but secure design allows free circulation of building’s lighting, HVAC, and fire suppression systems throughout secured areas

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**Dome IP Camera**

*P5534*

Provides HDTV-quality video and 18x zoom for indoor surveillance applications

High power optical zoom and pan and tilt capabilities that allow the operator to turn the camera and zoom into distant locations

Day and night functionality ensures high image quality in low light conditions

IP51-rated protection against environments

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**My surveillance needs range from needing a large overview image of my data center, to following and closely observing techs while being able to communicate to them.”**

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**IP Camera**

*P1346*

3-megapixel day and night network camera that provides full frame rate HDTV 1080p (1920x1080)

Digital pan-tilt-zoom capabilities allow the camera’s high definition capabilities to be utilized to digitally zoom and keep a close eye on critical assets within the data center

Ideal for data center applications where lighting may adjust regularly based on the activity in the data center, such as a “lights out” data center; the P1346’s P-Iris control provides optimal image quality in all lighting conditions

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**IP Camera**

*M1031-W*

Built in motion detector and two-way audio communications; this camera can be placed inside a cabinet or cage, and will initiate recording of nearby motion activity

An audio alert can be played when motion is detected or a remote operator can issue vocal instructions that can be heard via the camera’s built-in microphone

Call 1.877.462.7279 or visit gocsc.com

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Bandwidth requirements are growing at exponential rates and driving the need for next generation technology and virtualization. Cisco projects that by 2013, 90% of all traffic on consumer IP and business networks will be video. Physical layer infrastructure is a focus of attention as it quickly becomes a bottleneck at times of peak demand.

ISO/IEC 24764 specifies a minimum of Class EA (Category 6A) for all balanced-pair except network access cabling—cabling originating from the entrance room. TIA-942 permits the use of Category 3 through 6A for both backbone and horizontal cabling, but recommends Category 6A.

High Performance Copper Cabling

**Unshielded**
- Belden® IBDN®10GX®
- Berk-Tek LANmark™-10G2
- CommScope SYSTIMAX 360™ GigaSPEED® X10D
- General Cable GenSPEED® 10 MTP™
- Hubbell NEXTSPEED® Ascent 10 GbE
- Panduit® TX6A™ 10Gig™
- Siemon Z-MAX™ C6A

**Shielded**
- Berk-Tek LANmark™-10G FTP
- CommScope SYSTIMAX 360™ GigaSPEED® X10D F/UTP
- CommScope Uniprise® ULTRA 10® F/UTP
- General Cable GenSPEED® 10,000 Shielded
- Hubbell NEXTSPEED® 10GbE FTP
- Panduit® TX6A™ 10Gig™ Shielded
- Siemon Z-Max™ 10G C6A™ F/UTP
- Siemon TERA® Category 7S/FTP
- Tyco Electronics AMP NETCONNECT™ XG C6A F/UTP

High Performance Multimode Fiber Cabling

**Unshielded**
- Belden FiberExpress®
- Berk-Tek MDP Fiber cable with GIGAlite™-10XB
- CommScope LazrSPEED®
- Corning ClearCurve® Bend-Insensitive
- Panduit® Opti-Core®
- Siemon XGLO®
- Tyco Electronics AMP NETCONNECT™ XG

**Shielded**
- Belden FiberExpress®
- Berk-Tek MDP Fiber cable with GIGAlite™-10XB
- CommScope LazrSPEED®
- Corning ClearCurve® Bend-Insensitive
- Panduit® Opti-Core®
- Siemon XGLO®
- Tyco Electronics AMP NETCONNECT™ XG

OM3/OM4

The 10 Gb/s Ethernet standard, published in 2002, takes advantage of laser optimized 50 μm fiber that supports 300 meter reach using 850 nm VCSELs designated as OM3. TIA 492-AAAD finalized in 2009, introduced OM4 laser-optimized fiber as a standards recognized solution that offered a new high bandwidth multimode fiber option to the industry with a 550 meter reach.

“My average run today is about 200 meters – as I look to grow, I may have some runs up to 400 meters – is this a concern?”
Pre-terminated fiber and copper solutions are an innovative approach to structured cabling - simplifying the design and installation of network services and providing high-density, end-to-end systems that deliver quick, plug-in network deployment. Modular solutions use fiber cassettes and distribution-style cables, (as well as bundled copper assemblies) to achieve high densities and promote efficient use of data center real estate.

Pre-terminated components are 100% factory terminated and tested. They are tested to deliver consistent, reliable performance, and are engineered for flexibility and scalability. This modularity allows the data center to be quickly and easily scaled up as needed. Speed and ease of deployment translates into a similar ease to upgrade and maintain the system, as it takes less time to make necessary moves, adds, and changes.

Copper
- Belden IBDN® System 10GX®
- CommScope SYSTIMAX 360™ InstaPATCH® 360
- CommScope Uniprise® ReadyPatch®
- Hubbell BIDNet™
- Leviton Pre-Term Copper
- Ortronics SNAP™
- Panduit® Quick-Net™ Pre-Terminated Solutions
- Siemon Pre-Tem Copper

Fiber
- Belden IBDN FiberExpress
- Berk-Tek Pre-Terminated Fiber Assemblies
- CommScope SYSTIMAX 360™ InstaPATCH® 360
- CommScope Uniprise® ReadyPatch™
- Corning Cable Systems LANscape® Pretium® EDGE™ Solutions
- Leviton Pre-Term Fiber
- Panduit® Quick-Net™ Pre-Terminated Solutions
- Siemon XGLO®
- Tyco Electronics AMP NETCONNECT™

Environmentally Friendly Cabling
General Cable’s 17 FREE™ products are halogen-free and UL-rated, resulting in a more environmentally-friendly “green” cable option. GenSPEED® 17 FREE™ Category cables do not contain any chlorine, fluorine, bromine or iodine, reducing the overall toxicity of the cable. These halogen-free products may qualify toward LEED credits under the U.S. Green Building Council’s new LEED Pilot Credit 2 or Innovation in Design Credit.

Intelligent Infrastructure Management
solutions provide continuous real-time monitoring and visibility of the physical layer for enhanced data center reliability and security. These solutions are comprised of intelligent patch panels and cords, active equipment, and software. They can immediately identify, report, and document any unauthorized network connection changes, for enhanced security and maximum network uptime.

These solutions can also discover your network assets to provide a full end-to-end view of your data center network equipment. Once discovered, the system maps it to its physical location thereby providing the user with network asset location information. In addition, the software can be used to provide a wide variety of reports on information collected from the network and determine available network capacity.

- CommScope SYSTIMAX 360™ iPATCH®
- Panduit® PViQ™ System™
- Siemon MapIT® G2
- Tyco Electronics AMPTRAC™

“I want to maximize network uptime, how can I be alerted immediately to any changes in my data center patch field?”

Call 1.877.462.7279 or visit gopsc.com
That’s why customers choose CSC, a subsidiary of WESCO Distribution, Inc. They know our team will do whatever it takes to make them successful each and every day. They value the passion we put into everything we do, and realize — when their jobs are on the line — we’ll be there with the answers they need. They view us as their trusted advisor who can help them make the transition from legacy infrastructure technologies to state-of-the-art IP solutions. It’s really that simple. More and more companies turn to CSC because of our people, passion and expertise.