



# BUILDING NETWORK SOLUTIONS GUIDE



# INTEGRATED SOLUTIONS

## BUILDING NETWORK CHALLENGES

Constantly evolving technologies are driving connectivity expectations and moving interactions to an entirely new level within the building network's environment. This evolution of the "Internet of Things," along with expanding Bring-Your-Own-Device (BYOD) policies are disrupting the traditional fabric of a building network by increasing the number of connected devices. A growing need to process this data at a more efficient rate, new open office layouts and the convergence of data, voice, power and A/V are all contributing to a more flexible and intelligent building.

Today and tomorrow's building network environments require solutions that provide a modular and flexible approach to your network to meet the evolving needs of a building and reduce any future costs. It is essential that all the elements of the building network work together seamlessly and efficiently, beyond the physical infrastructure. The Ortronics® Connected Infrastructure approach is aligned with critical building network trends, including:

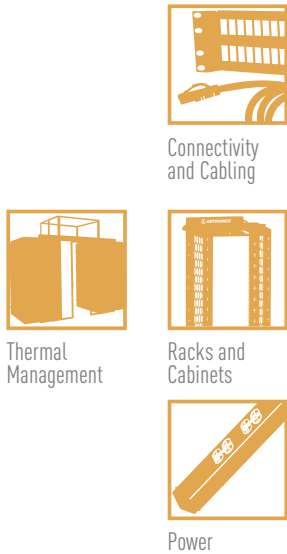
- Accommodating the increasing number of connected devices that are requiring more bandwidth, power, higher density and more immediate processing of data
- Meeting the evolving design of a building's network and physical layout with modular and flexible infrastructure solutions for any application
- Supporting the latest A/V, networking and converging standards that are emerging within buildings as these technologies are constantly evolving

## OUR CAPABILITIES

Ortronics, headquartered in New London, Connecticut, USA, is a global leader in high performance network infrastructure solutions, offering a complete range of copper and fiber optic connectivity solutions, physical infrastructure and cable management solutions.

Ortronics is a subsidiary of Legrand ([www.legrand.com](http://www.legrand.com)), the global specialist in products and systems for electrical installations and information networks where people live and work. As part of Legrand, Ortronics is able to offer additional products and solutions through our connections with other Legrand group brands globally, including Cablofil®, C2G® and Raritan® in the building network environment.





## RACKS AND CABINETS

Ortronics® racks and cabinets, designed to support your server and networking needs, are manufactured with cable management and installation efficiency in mind. This complete product offering ranges from standard EIA open racks and wall-mounted to your most advanced open rack and cabinet system on the market today. The Ortronics offering will meet the unique needs of any installation, whether it is a network closet or on the edge of your network.



- **Space:** Integrated cable management supports industry best practices



- **Performance:** Variety of available accessories



- **Experience:** Large breadth of options and constant evolution



## POWER AND THERMAL MANAGEMENT

Ortronics offers a large selection of airflow management and power distribution solutions. Through the Raritan®, portfolio of intelligent power, Ortronics can offer the intelligence your closet needs with efficient monitoring and management. Other solutions in the power portfolio include colored power cables and universal mounting brackets to ensure maximum flexibility in the design and functionality of the space. The integrated airflow management at rack level, including airflow baffles and filler panels, ensure proper airflow to maximize cooling efficiency



- **Sustainability:** Efficient management of energy and thermals



- **Performance:** Ensures optimal operating efficiency of equipment



- **Time:** Save time with seamless integration of power and cooling



## PATHWAYS

Ortronics has designed cable pathways for both copper and fiber to adapt to each twist and turn cables must make, while ensuring proper bend radius and network performance. Along with Cablofil®, Ortronics provides exceptional solutions, seamlessly integrated with physical infrastructure for easy installation and superior flexibility and scalability.



- **Experience:** Broadest portfolio



- **Performance:** Cross-platform functionality



- **Time:** Innovative cable management



## CONNECTIVITY AND CABLING

Ortronics® offers a complete line of copper and fiber connectivity to support mission critical applications and deliver maximum performance, both in the telecom room and at the workstation. With the TechChoice®, Clarity® and Infinium™ product families, Ortronics delivers the right solutions to make the most of any IT budget. The offering includes copper jacks, panels, patch cords, wall plates, copper and fiber cable assemblies, fiber connectors, cassettes and adapters, as well as fiber enclosures and a full array of pre-terminated solutions, accessories and installation tools. These systems are designed to integrate seamlessly with the Ortronics physical infrastructure, pathways and workstation solutions for superior cable management and network performance.

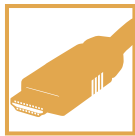


- **Performance:** nCompass structured cabling systems
- **Time:** Cut installation time and labor cost
- **Space:** Modular and flexible



## nCOMPASS

Ortronics partners with leading cable partners across the globe to deliver nCompass™, a suite of high performing copper and fiber optic structured cabling systems. nCompass cabling systems are backed by an extended performance, application, product and labor limited lifetime warranty on certified horizontal and backbone systems, assuring maximum uptime and performance from the network.



## A/V

Ortronics offers a fully integrated line of A/V solutions with other Legrand brands to maximize productivity and enable flexibility at the point-of-use. With solutions from C2G® spanning adapters, converters and cabling for the latest standards, including HDMI, DisplayPort, USB 3.0 and RapidRun® modular cabling, Ortronics can provide the ability for users to connect, collaborate, present and manage within the spaces they occupy. These solutions are designed to blend with the décor of any space, combining functionality and aesthetics to make any room simply work.



- **Time:** Quick to deliver
- **Space:** Integrates with workstation solutions
- **Experience:** Technical expertise and support



## CABLE MANAGEMENT

Ortronics offers a full portfolio of end-to-end cable management and workstation solutions for commercial applications. From managing network cabling in the telecom room to the workstation. Ortronics cable management solutions help protect and route power, data and A/V cables from within the building infrastructure to the point-of-use.

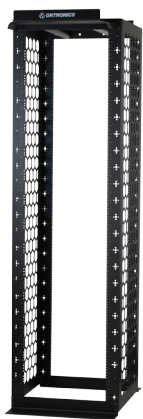


- **Performance:** Protect integrity of connections
- **Time:** Efficient moves, adds and changes
- **Experience:** Aesthetic designs





## RACKS, CABINETS AND CABLE MANAGEMENT



Mighty Mo® 20 Channel Racks



GX Cabinets



Q-Series Cabinets



Mighty Mo 20 4-Post Racks



Wall Mount Cabinets



Double-Sided Horizontal Managers

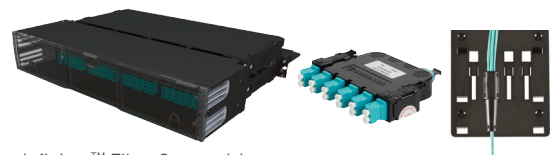
## CONNECTIVITY, CABLING AND A/V



Copper and Fiber Pre-Terminated Solutions



Clarity® Copper Connectivity



Infinium™ Fiber Connectivity



A/V Solutions





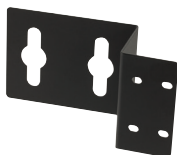
## POWER



Power Distribution Units (PDU)



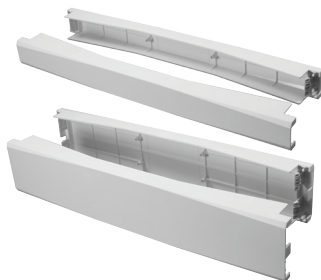
Power Accessories



## THERMAL MANAGEMENT

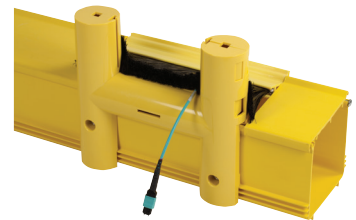


Airflow Baffles



Tool-Less Snap-In Filler Panels

## PATHWAYS



Mighty Mo® Fiber Raceway



Cablofil® Wire Mesh Cable Tray



Tubular Runway

## CONNECTED INFRASTRUCTURE

Ortronics® solutions, backed by industry leading sales, design and support teams, are the foundation for Connected Infrastructure, a comprehensive approach to the network. Through Connected Infrastructure, Ortronics delivers maximum performance, time savings, space optimization, superior customer experience and sustainability by design, to address your challenges, today and tomorrow.



### Guaranteed Performance

- Reliability guaranteed
- Network protection
- Uptime



### Superior Experience

- Engineering expertise
- Collaborative design
- Local to global relationship



### Save Time

- Easy installation
- Efficient moves, adds and changes
- Better ROI



### Enable Sustainability

- Environmental stewardship
- Regulatory compliance
- Energy-efficient solutions



### Optimize Space

- Increased density
- Higher capacity
- Flexible and scalable designs



“The implementation of the Mighty Mo 20 in our facility supported the 3 F’s of our building network; Fit, Form and Function. The rack system solution provided the most proficient and enriched feature set, all at the same time, delivering an aesthetically pleasing platform and pathway for network connectivity and electronic hardware migration growth.”

– DATA CENTER OPERATIONS MANAGER,  
FINANCIAL INSTITUTION

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