

# BUILDING NETWORK SOLUTIONS GUIDE



designed to be better.™

 **legrand**®

# 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 are designed to be better™. They must 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.

- 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

## LEGRAND CAPABILITIES

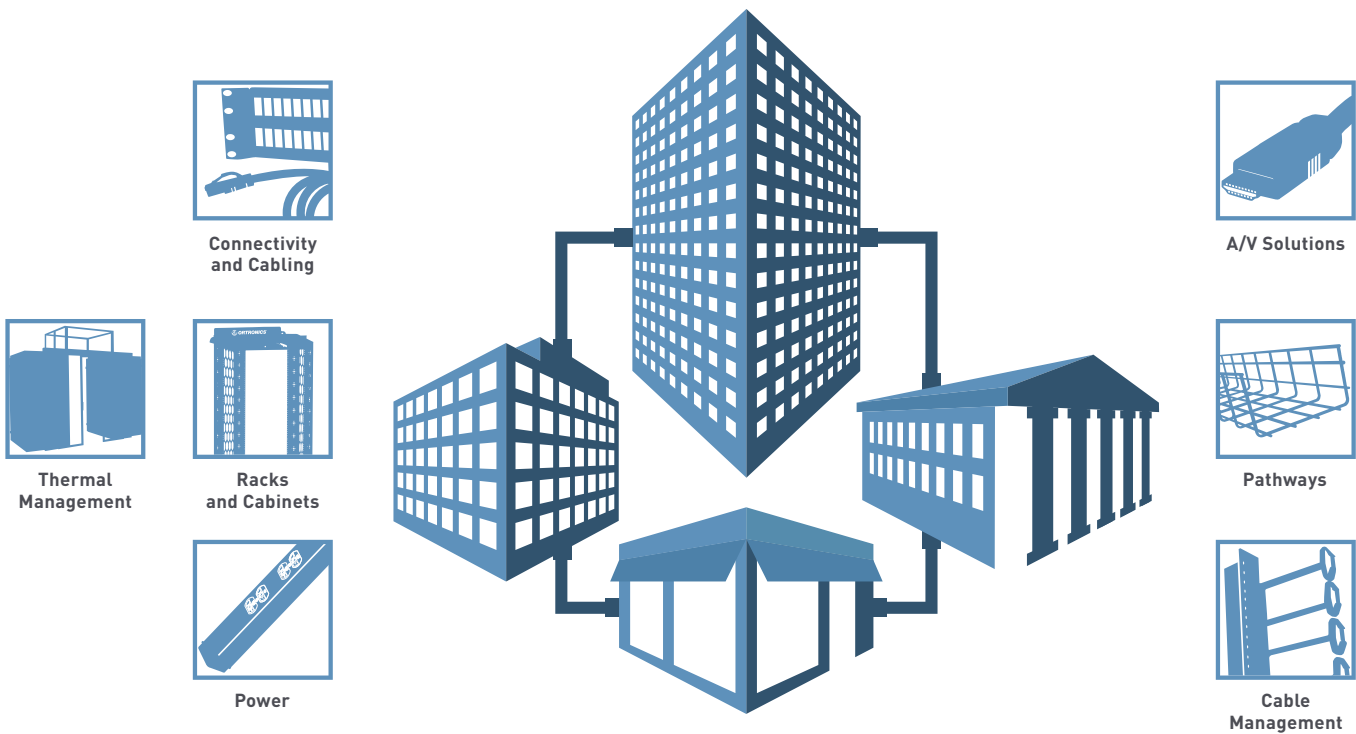
Legrand® is a complete end to end solutions provider with a range of connectivity, physical infrastructure, cable management, pathways and power and cooling solutions for the data center to maximize network performance, energy efficiency and capacity for today and tomorrow's demands.

Legrand is a leader in network infrastructure solutions, with products designed to support data center, commercial buildings or audio/video applications, connectivity products that meet industry standards and racks and cabinets that can be manufactured globally.

### Legrand's product lines include:

- AFCO®
- C2G®
- Cablofil®
- Electrorack®
- Ortronics®
- Quiktron®
- RapidRun®
- Wiremold®



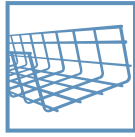


## RACKS AND CABINETS

Legrand® 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. Legrand's offering will meet the unique needs of any installation, whether it is a network closet or on the edge of your network.

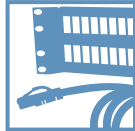
## POWER AND THERMAL MANAGEMENT

Legrand offers a large selection of airflow management and power distribution solutions. Through the Raritan® portfolio of intelligent power, Legrand offers the intelligence your closet needs with efficient monitoring and management. Other Legrand 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 our airflow baffles and filler panels, ensure proper airflow to maximize cooling efficiency.



## PATHWAYS

Legrand 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. With the Ortronics® and Cablofil® product lines, Legrand provides exceptional solutions, seamlessly integrated with physical infrastructure for easy installation and superior flexibility and scalability.



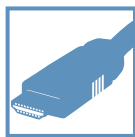
## CONNECTIVITY AND CABLING

Legrand® 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 Q-Series, TechChoice®, Clarity® and Infinium product families, Legrand delivers the right solutions to make the most of any IT budget. The offering includes copper jacks, panels and 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 Legrand's physical infrastructure, pathways and workstation solutions for superior cable management and network performance.



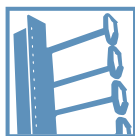
## nCOMPASS

Legrand 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

Legrand offers a fully integrated line of A/V solutions to maximize productivity and enable flexibility at the point-of-use. With solutions spanning adapters, converters and cabling for the latest standards, including HDMI, DisplayPort, USB 3.0 and RapidRun Modular Cabling, Legrand provides 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.



## CABLE MANAGEMENT

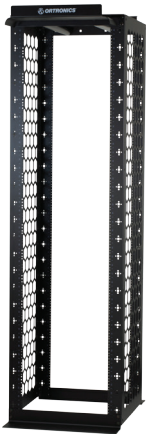
Legrand offers a full portfolio of end-to-end cable management and workstation solutions for commercial applications. From managing network cabling in the telecom room, to floor boxes, table boxes, raceways and more, Legrand cable management solutions help protect and route power, data and A/V cables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



## RACKS, CABINETS AND CABLE MANAGEMENT



**Mighty Mo® 20  
4-Post Racks**



**Mighty Mo® 20  
Channel Racks**



**LX  
Cabinets**



**Q-Series  
Cabinets**



**Wall Mount Cabinets**



**Overfloor Raceway**



**Wiremold®  
Floor Boxes**



**Double-Sided  
Horizontal Managers**

## CONNECTIVITY, CABLING AND A/V



**Copper Cable  
Assemblies**



**Copper Jacks  
and Modules**



**Modular  
Patch Panels**



**Unloaded  
Patch Panels**



**Fiber Cable  
Assemblies**



**Fiber  
Cassettes**



**Harness-in-Lieu-  
of-Cassette (HiLOC)  
Solutions**



**Copper and Fiber  
Connectors**



**Fiber  
Enclosures**



**A/V Extension  
Solutions**



**A/V Adapters  
and Cables**



**PC Adapters  
and Cables**

# POWER



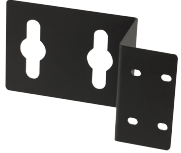
Power Distribution Units (PDU)



Power Distribution Units (PDU)



Power Cord



Mighty Mo® 20 PDU Mounting Bracket Kit

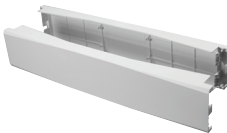
# THERMAL MANAGEMENT



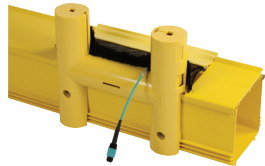
Airflow Baffles



Tool-Less Snap-In Filler Panels 1RU



Tool-Less Snap-In Filler Panels 2RU



Mighty Mo® Fiber Raceway



Cablofit® Wire Mesh Cable Tray



Tubular Runway



J-Hook

# PATHWAYS



Loaded Mighty Mo® 20 Channel Racks

# SIMPLIFIED BUILDING NETWORKS



Data Center	Edge	Building Network	Work Space
<ol style="list-style-type: none"> <li>1. Cabinets</li> <li>2. Transceivers</li> <li>3. Fiber &amp; Copper Connectivity</li> <li>4. Airflow Containment</li> </ol>	<ol style="list-style-type: none"> <li>1. Wall Mount Cabinets</li> <li>2. Power Distribution &amp; Cords</li> <li>3. Copper Connectivity</li> <li>4. Thermal Management</li> </ol>	<ol style="list-style-type: none"> <li>1. Workstation Solutions</li> <li>2. Copper Connectivity</li> <li>3. Racks &amp; Cabinets</li> <li>4. A/V Infrastructure</li> </ol>	<ol style="list-style-type: none"> <li>1. A/V Connectivity</li> <li>2. PC Connectivity</li> <li>3. Desktop/Table Power</li> <li>4. Cable Management</li> </ol>

## VALUE LEGRAND PROVIDES YOU

- **Design:** Dedicated sales teams and engineers, creating solutions for any application
- **Support:** Pre and post sale technical support and consultation
- **Project Management:** Partnership from initial design through technology refresh
- **Warranty:** Industry Leading product and system warranties
- **Logistics:** Global supply chain and fulfilment, including in country support



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