WIREWERKS DATA CENTER
STRUCTURED CABLING SOLUTIONS MATRIX

Wirewerks Network Solutions for ANSI/TIA-942-B Data Centers

Wirewerks systems and solutions are widely installed in a variety of data center environments including:

› Enterprise Data Centers
› Internet Data Centers (Hosting)
› Multi-tenant (MTDCs) & Colocation (COLO) Data Centers
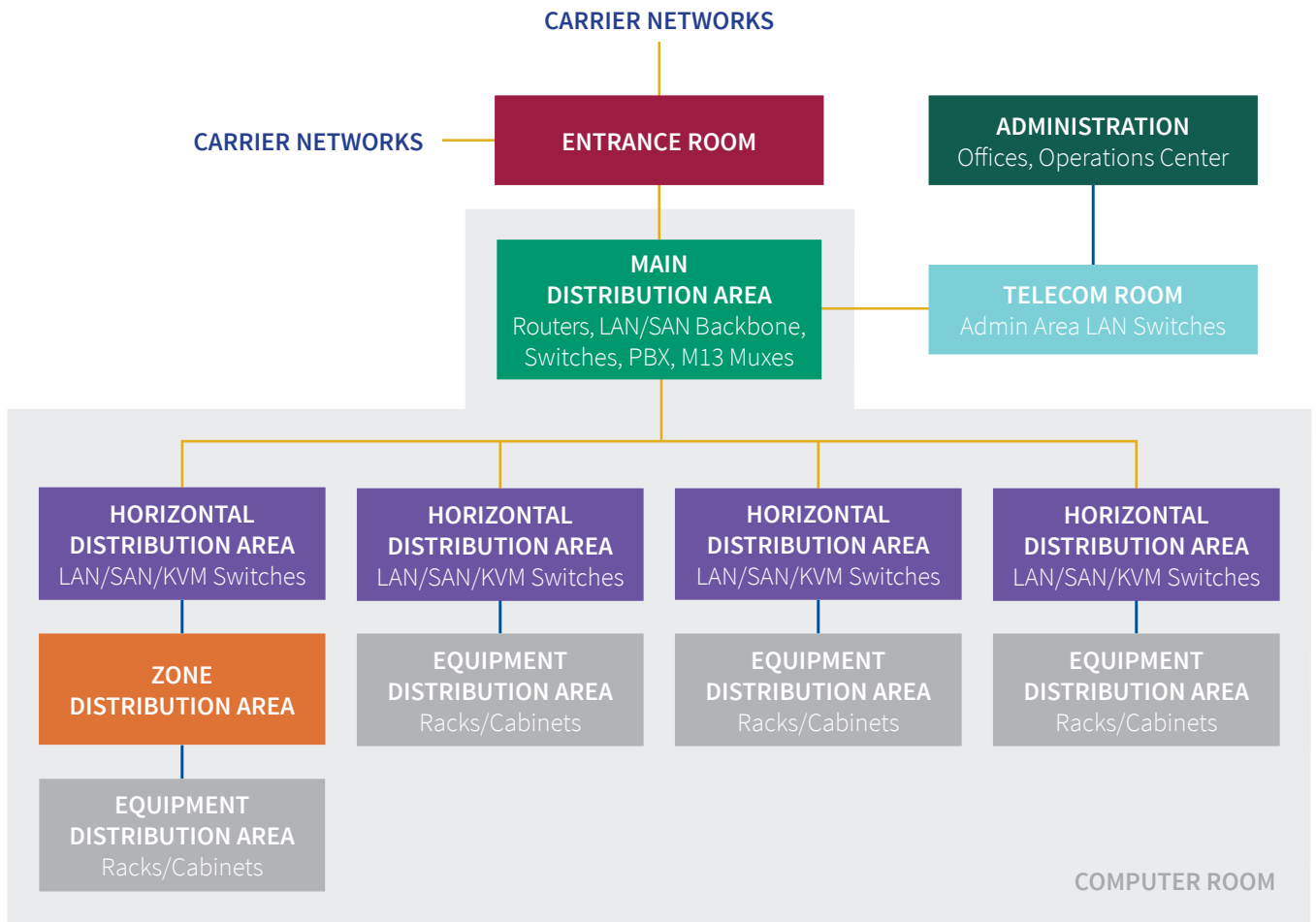› Edge Data Centers
› SANs

Wirewerks fully supports ANSI/TIA-942-B Data Center Cabling Standards, and all Wirewerks products and systems recommended for Data Center installations comply with TIA-942-B requirements as well as applicable ANSI/TIA-568.x-D Series Component Standards.

At Wirewerks, we believe that standards compliance creates open architecture networks that provide the best protection for your cabling system investment through interoperability, design flexibility, brand independence and forward compatibility with ever-evolving technologies.

ANSI/TIA-942-B TELECOMMUNICATIONS STANDARD FOR DATA CENTERS

The following diagram depicts a typical data center infrastructure as per the ANSI/TIA-942-B Data Center Cabling Standard. Use this diagram along with the product matrix on page 3 to see where Wirewerks' products fit the data center environment.

—— BACKBONE CABLING
—— HORIZONTAL CABLING

CARRIER NETWORKS

CARRIER NETWORKS

ENTRANCE ROOM

ADMINISTRATION Offices, Operations Center

MAIN DISTRIBUTION AREA Routers, LAN/SAN Backbone, Switches, PBX, M13 Muxes

TELECOM ROOM Admin Area LAN Switches

HORIZONTAL DISTRIBUTION AREA LAN/SAN/KVM Switches	**HORIZONTAL DISTRIBUTION AREA** LAN/SAN/KVM Switches	**HORIZONTAL DISTRIBUTION AREA** LAN/SAN/KVM Switches	**HORIZONTAL DISTRIBUTION AREA** LAN/SAN/KVM Switches

ZONE DISTRIBUTION AREA	**EQUIPMENT DISTRIBUTION AREA** Racks/Cabinets	**EQUIPMENT DISTRIBUTION AREA** Racks/Cabinets	**EQUIPMENT DISTRIBUTION AREA** Racks/Cabinets

EQUIPMENT DISTRIBUTION AREA Racks/Cabinets

COMPUTER ROOM

WIREWERKS DATA CENTER CABLING PRODUCTS & SYSTEMS

		ENTRANCE ROOM	MAIN DISTRIBUTION AREA	HORIZONTAL DISTRIBUTION AREA	EQUIPMENT DISTRIBUTION AREA	ZONE DISTRIBUTION AREA	TELECOM ROOM	ADMINISTRATION	BACKBONE CABLING	HORIZONTAL CABLING
NextSTEP Solution	Rack Mount Patch Panels: 1U/4U Models	✓	✓	✓	✓	✓	✓			
	Rack Mount Patch Panels: MINUS1U – Switch-specific or Tray Models		✓	✓	✓	✓	✓			
	Fiber Distribution Frame	✓								
	Wall Mount Enclosure	✓					✓			
	Distribution Modules: MPO-LC		✓	✓	✓	✓	✓			
	MPO Adapter Module		✓	✓	✓	✓	✓			
	Patch Modules: Pre-term configuration		✓	✓	✓	✓	✓			
	Patch Modules: Single Fiber or Ribbon Fiber splicing configuration	✓					✓			
	Blank Adapter Modules		✓	✓	✓	✓	✓			
	Splice Trays: Single Fiber or Ribbon Fiber	✓					✓			
	NextSTEP FLEX Modules		✓	✓	✓	✓	✓			
LGX Solution	Rack Mount Patch Panels: 1U/2U/4U Models		✓	✓	✓	✓	✓			
	Rack Mount Patch Panel: 1U Lean		✓	✓	✓	✓	✓			
	Wall Mount Patch Panels: 1, 2 or 4 LGX Strip Models	✓					✓			
	MPO Distribution Modules: MPO-LC or SC		✓	✓	✓	✓	✓			
	Adapter Strips: LC, SC, MPO	✓	✓	✓	✓	✓	✓			
	Splice Tray: Single Fiber splicing configuration	✓					✓			
Keywerks Solution	Rack Mount Patch Panels: 1U (24Port), 2U (48Port)		✓	✓	✓	✓	✓			
	Rack Mount High-Density Patch Panels: 0.5U (24Port), 1U (48Port)		✓	✓	✓	✓	✓			
	Rack Mount Angled Patch Panel: 2U (48Port)		✓	✓	✓	✓	✓			
	RJ45 Modules & Inline Couplers – with FastPunch tool		✓	✓	✓	✓	✓	✓		✓
	Faceplates, Surface Mount Boxes, Back Boxes							✓		
	Optical Fiber Modules: LC duplex		✓	✓	✓	✓	✓	✓		
Cabling	Custom Optical Fiber Cable Assemblies	✓	✓	✓	✓	✓	✓	✓	✓	✓
	UTP CAT6A & CAT6 4-Pair Horizontal Cable		✓	✓	✓	✓	✓	✓		✓
Patching	Optical Fiber Patch Cords	✓	✓	✓	✓	✓	✓	✓		
	Copper Patch Cords		✓	✓	✓	✓	✓	✓		
Other	4U Vertical Wall Mount	✓					✓			
	Horizontal Cable Management		✓	✓	✓	✓	✓			
	Field Terminal RJ45 Plug		✓	✓	✓	✓	✓	✓		✓
	Zero-U Patch Panel (coming soon)				✓	✓	✓			
	Attenuators		✓	✓	✓	✓	✓			
	SFP's		✓	✓	✓	✓	✓			
	Mechanical Connector	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Splice-On Connector	✓	✓	✓	✓	✓	✓	✓	✓	✓

ABOUT WIREWERKS

Key Benefits of Wirewerks Data Center Solutions

The key benefits of Wirewerks' advanced cabling infrastructure solutions for Data Center applications include:

- › High density
- › Manageability
- › Ultra-reliability
- › High performance

- › Scalability and growth
- › Standards Compliance
- › Cost effective, proven solutions

A Wirewerks structured cabling system in your Data Center provides the critical networking foundation that your Data Center systems -- and ultimately your business -- rely upon for success in today's ultra-competitive business environment.

Wirewerks: Your Trusted Partner for Data Center Structured Cabling Solutions

Founded in 1991, Wirewerks is an industry-leading manufacturer of advanced optical fiber and copper structured cabling systems. Built on core values of quality, innovation, and integrity, Wirewerks is relentlessly customer-focused and entirely committed to complete customer satisfaction. From pre-sale project collaboration, documentation, technical support, and custom product development, Wirewerks works in partnership with an extensive network of distributors, consultants and authorized installers to provide end-users with the best networking solutions and the best value in the industry today.

Wirewerks' rich history of innovation has earned many industry accolades and awards over the years.
Award winning Wirewerks innovations are found throughout our Data Center Solutions portfolio.

To learn more about Wirewerks' Data Center Solutions, please contact
Nicolas Saab, Data Center Specialist
514-346-1654 or at **nsaab@wirewerks.com**