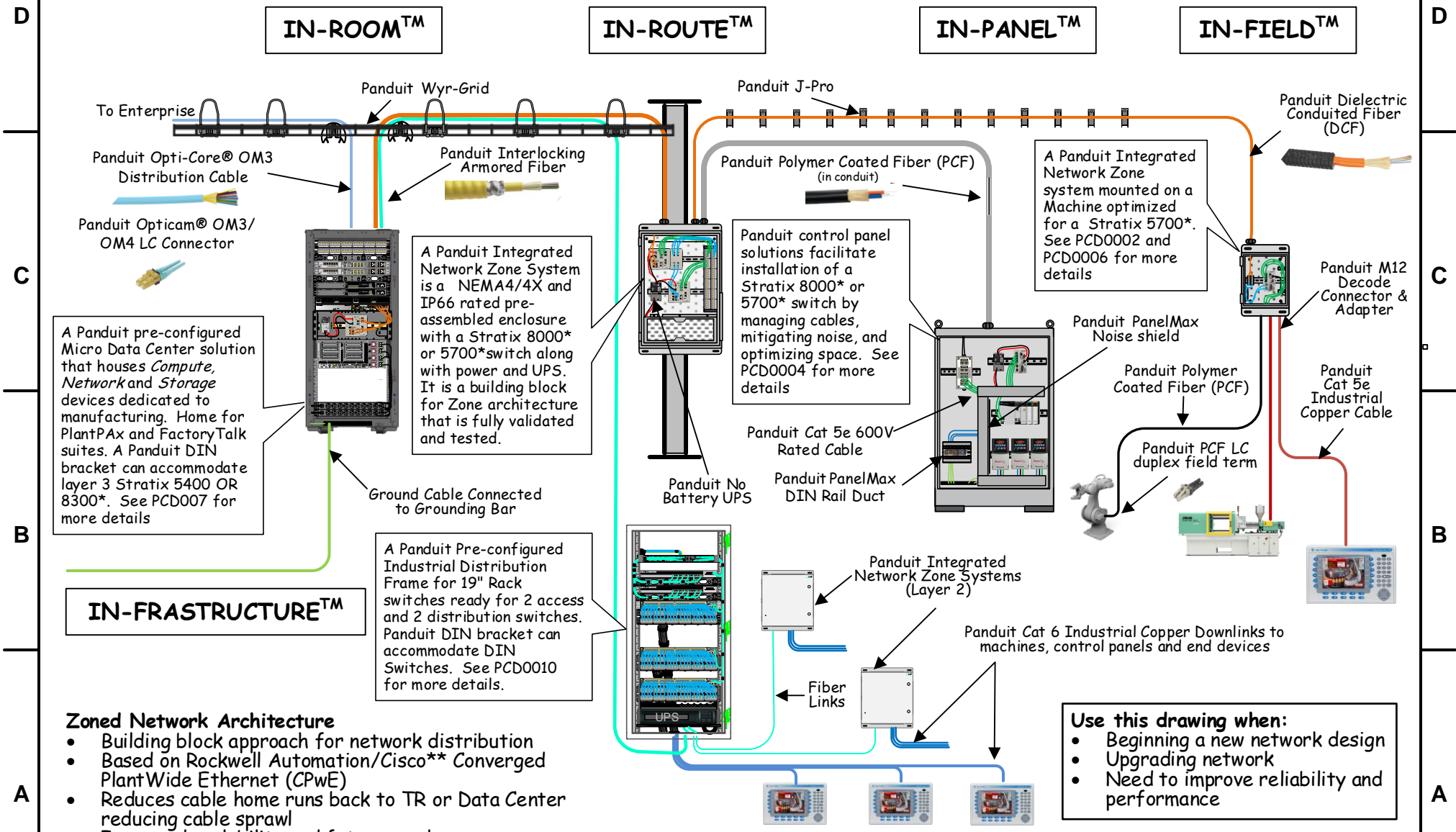A typical industrial network deployment encompasses Panduit 5 "IN" solutions.
A Stratix switch can be deployed in a Micro Data Center, Zone Enclosure,
Industrial Distribution Frame, Control Panel or On Machine

IN-ROOM™ **IN-ROUTE™** **IN-PANEL™** **IN-FIELD™**

To Enterprise

Panduit Wyr-Grid

Panduit J-Pro

Panduit Dielectric Conduited Fiber (DCF)

Panduit Opti-Core® OM3 Distribution Cable

Panduit Interlocking Armored Fiber

Panduit Polymer Coated Fiber (PCF) (in conduit)

A Panduit Integrated Network Zone system mounted on a Machine optimized for a Stratix 5700*. See PCD0002 and PCD0006 for more details

Panduit Opticam® OM3/ OM4 LC Connector

A Panduit Integrated Network Zone System is a NEMA4/4X and IP66 rated pre-assembled enclosure with a Stratix 8000* or 5700*switch along with power and UPS. It is a building block for Zone architecture that is fully validated and tested.

Panduit control panel solutions facilitate installation of a Stratix 8000* or 5700* switch by managing cables, mitigating noise, and optimizing space. See PCD0004 for more details

Panduit M12 Decode Connector & Adapter

A Panduit pre-configured Micro Data Center solution that houses *Compute, Network* and *Storage* devices dedicated to manufacturing. Home for PlantPAx and FactoryTalk suites. A Panduit DIN bracket can accommodate layer 3 Stratix 5400 OR 8300*. See PCD007 for more details

Panduit PanelMax Noise shield

Panduit Polymer Coated Fiber (PCF)

Panduit Cat 5e Industrial Copper Cable

Ground Cable Connected to Grounding Bar

Panduit Cat 5e 600V Rated Cable

Panduit PanelMax DIN Rail Duct

Panduit PCF LC duplex field term

Panduit No Battery UPS

IN-FRASTRUCTURE™

A Panduit Pre-configured Industrial Distribution Frame for 19" Rack switches ready for 2 access and 2 distribution switches. Panduit DIN bracket can accommodate DIN Switches. See PCD0010 for more details.

Panduit Integrated Network Zone Systems (Layer 2)

Panduit Cat 6 Industrial Copper Downlinks to machines, control panels and end devices

Fiber Links

UPS

Zoned Network Architecture
- Building block approach for network distribution
- Based on Rockwell Automation/Cisco** Converged PlantWide Ethernet (CPwE)
- Reduces cable home runs back to TR or Data Center reducing cable sprawl
- Improved scalability and future ready

Use this drawing when:
- Beginning a new network design
- Upgrading network
- Need to improve reliability and performance

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Overview Drawing of Industrial Switch Deployment

Bill of Material

Part Number	Description
Micro Data Centers	
CQSMDC79	48 RU Pre-Configured Industrial Micro Data Center, 78.1'' (1984mm) height, network cabling, 4 casters, and shock pallet
CQSMDC48	24 RU Pre-Configured Industrial Micro Data Center, 48.4'' (1239mm) height, network cabling, 4 casters, and shock pallet
IABDIN4	IA Bracket for 19'' wide rack or cabinet. Installs DIN rail mountable equipment. 4 RU high
Integrated Network Zone System and Industrial Distribution Frame	
Z23N******	Integrated Network Zone System; 24" x 36", mild steel enclosure;
Z22N******	Integrated Network Zone System; 24" x 24", mild steel enclosure;
Z11N******	Integrated Network Zone System; 12" x 14", mild steel
ZDF48-RA	Pre-Configured Industrial Distribution Frame ready for 2 access and 2 distribution siwtches
Control Panel	
UPS003024024015	Uniterruptible Power Supply (UPS), 35 Watts for 5 minutes, 24VDC in/out, DIN rail mount.
SD3EMI	EMI noise shield kit for 3'' height Panduit wiring duct
DRD33LG6	3'' height PanelMax DIN Rail Wiring Duct
Cabling, Connectgor and Pathways	
FODRX12Y	12-fiber MM OM3, 10 GbE, riser rated distribution cable
FI2D204	4-fiber MM OM2, Polymer Coated Fiber (PCF), LSZH, riser indoor Break-out
FLCDHMIG	PCF LC duplex crimp fiber optic connector, OM1/OM2
FSPD512	12-fiber OM2 dielectric (MM) armored distribution cable
FOPRX12Y	12-fiber OM3 (MM) interlocking riser rated armored cable
FLCDMCXAQY	LC OM3/OM4 multimode duplex connector for 900μm
PUR6004BU-UY	Cat 6, solid copper, 4-pair, UTP, CMR Riser, PVC Jacket
IUC6CO4ABL-CEG	Cat 6, industrial copper stranded, 4-pair, U/UTP
ISPS688FA	Cat 6A, industrial field term, RJ45 plug
ISFCH5C02ARD-XG	Cat 5e, industrial copper stranded, 2-pair, SF/UTP, CM, 600V,
ICAM12DRJS	Industrial Panel Mount M12 D-Code Female to RJ45 Adapter
ISPS5E44MFA	Industrial Field Attachable M12 D-Code Male Plug
ISTPHCH1MBL	600 volt rated, Cat 5e patch cord, 1 meter
JP2SBC50-L20	J-Hook with screw-on beam clamp

For More Information

For more information, contact your local distributor, Panduit Sales rep or Rockwell Automation sales rep.
www.panduit.com/ia
iai@panduit.com

About this Configuration

Panduit has the complete end-to-end products and solutions to deploy a robust, secure and future ready industrial network. The 5 IN's group Panduit products, addressing the different aspects of a network deployment.

IN-ROOM (Micro Data Center)

The Micro Data Center (MDC) is the hub of a network deployment containing servers, switches, and other active gear
- Preconfigured Micro Data Center Cabinet with cabling
- Different size network/server racks and cabinets
- Patching and cable Management
- Network physical security
- Identification and color code
- Grounding and Power

IN-ROUTE

Solutions and products to connect MDC, switches, controllers and other active gear
- Integrated Network Zone System including switch
- Pre-configured Industrial Distribution Frame (IDF)
- Industrial Pathways like J-Hooks and Wyr-Grid
- Full line of industrial copper and fiber cable

IN-PANEL

A full set of products to accommodate any panel design for both new and retrofits especially sensitive network cabling
- Cable Management/Protection
- Connectors and Terminals
- EMI Protection
- Space Optimization
- Networking
- Labeling

IN-FIELD

Products to manage cabling in a harsh environment
- Integrated Network Zone System
- Harsh cable protection/bundling
- Harsh connectors/Terminals
- Safety/Identification

IN-FRASTRUCTURE

Products to distribute power and grounding including safety and identification
- Power terminals
- Ground distribution
- LOTO/Labeling

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