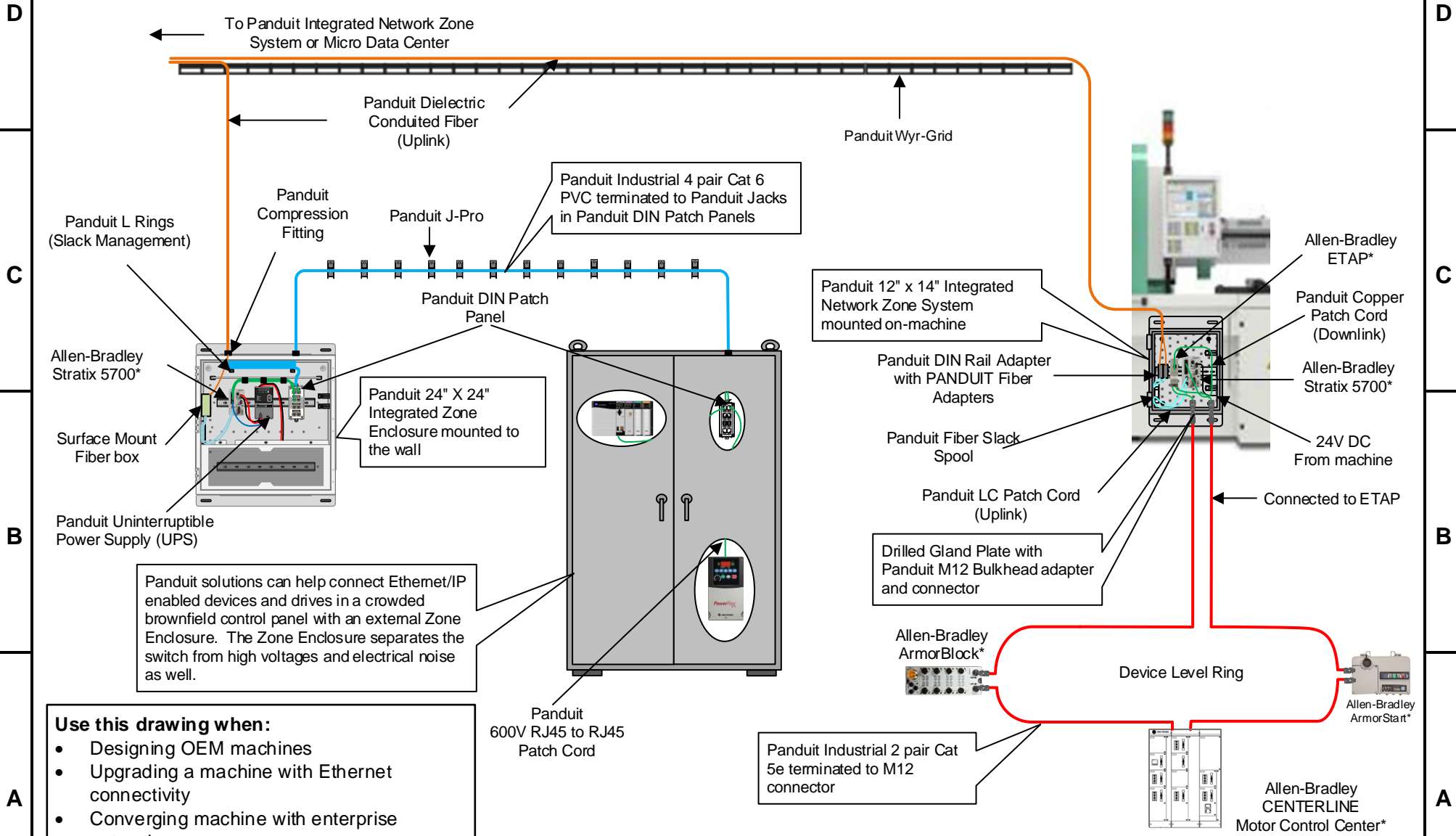


A machine may require multiple Ethernet connections. An Allen-Bradley Stratix 5700™ industrial Ethernet switch in a Panduit Integrated Network Zone System can accommodate on-machine connectivity.



Use this drawing when:

- Designing OEM machines
- Upgrading a machine with Ethernet connectivity
- Converging machine with enterprise networks

Panduit solutions can help connect Ethernet/IP enabled devices and drives in a crowded brownfield control panel with an external Zone Enclosure. The Zone Enclosure separates the switch from high voltages and electrical noise as well.

* Stratix 5700, ETAP, ArmorBlock, ArmorStart and CENTERLINE Motor Control Center are trademarks of Rockwell Automation, Inc.

Bill of Materials

Part Number	Description
Integrated Network Zone System	
Z11*****	12" x 14" IP66 Integrated Network Zone System with Stratix 5700 (2 fiber uplinks & 8 downlinks), fiber slack spool, 2 L-rings, ground jumper, DIN rail and 2 Mini-Com single port DIN rail mount adapter * Requires 24VDC feed to Stratix
Z22*****	24" x 24" IP66 Integrated Network Zone System with Stratix 5700 1783-BMS10CGA switch with 2 1Gb multimode fiber optic uplinks, with redundant power supplies and no-battery maintenance-free UPS
Zone Enclosure Add-On	
CADIN1IG	Mini-Com single port DIN rail mount adapter
CMDSAQLCBL	Mini-Com LC fiber duplex adapter module
CJ688TGIW	Mini-Com Cat 6, RJ45 8-wire jack
CDPP8RG	8-port DIN copper patch panel
FX2ERLNLNSNM001	10Gig patch cord, LC, 1 meter length
PZNF1, PZNF2, PZNF3	Various size NEMA4X compression fittings
ISTPHCH1MTL	Industrial Ethernet category 5e shielded patch cords (600V rated) with RJ45 connectivity
Horizontal Cable Add-On	
FSPD512	Rugged 12-Fiber OM2 plastic dielectric multimode armored distribution cable (no grounding required)
IUC6C04ABL-CEG	Industrial Copper Cable, Cat6, 4-pair, 24/7 AWG stranded, U/UTP, CM, PVC, Black, 1000FT/305m reel
PSFL6004DG-KD	Industrial Copper Cable ABS Certified, Cat 6, 4-Pair, 23 AWG stranded, SF/UTP, PE, LSZH, Harsh - Oil and Sun Resistant, Dark Gray, 1640ft/500m
ISFCH5C02ARD-XG	Cat 5e, industrial (CM/CMX outdoor), 2-pair, SF/UTP copper cable, stranded copper conductors are 24/7 AWG with HDPE insulation
ISPS5E44MFA	4-position, industrial M12 D-code plug, for use with stranded 26/7 - 22/7 AWG Cat 5e, UTP copper cable
ICAM12DRJS	Cat 5e, M12 D-code to RJ45 industrial adapter, panel mount
ISFX5502ARD-LED	Industrial Copper Cable, Cat5e, 2-pair, 24/7 AWG stranded, SF/UTP, PUR, Red, 500m reel

About this Configuration

The Panduit pre-built Z11***** and Z22***** Integrated Network Zone System is a complete edge switch solution targeted for on-machine Ethernet/IP network connectivity.

About Panduit Zone Enclosures

A Panduit Zone Enclosure is a NEMA4/IP66 or NEMA4X enclosure that is pre-built and tested with a Stratix switch complete with cable management. The enclosure is designed for safe and secure network access separated from dangerous voltages and electrical noise. The larger 24" x 24" enclosure can come with a UPS that is either a battery or ultra cap maintenance free. It is rated UL508A and Class 1 Div 2.

Deploying an Integrated Network Zone System

The Integrated Network Zone Systems can be mounted to an existing crowded panel, on-machine, column or wall. Typically, armored fiber uplinks are used to achieve fast convergence to minimize downtime and high bandwidth for the future. The larger Z22***** 24" x 24" enclosure is deployed using structured cabling, providing demarcation points for testing and troubleshooting as well as providing spare ports for growth to accommodate manufacturing equipment expansion. The smaller Z11***** 12" x 14" is deployed using a point-to-point direct connect to equipment.

Bill of Materials (cont.)

Part Number	Description
UPS003024024015	Panduit Uninterruptible Power Supply (UPS), 35 watts for 5 minutes, 24 VDC in/out, DIN rail mount
JP2SBC50-L20	J-Hook with screw-on beam clamp for use with flanges up to ½"
WG12BL10	12" W x 10' L Wyr-Grid pathway section used to carry cables horizontally throughout the system.
<i>Note: Wyr-Grid has accessories for threaded rods, sidewalls, waterfalls, intersections and others</i>	

For More Information

For more information, contact your local distributor, Panduit Sales Representative, or Rockwell Automation Sales Representative.
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