IndustrialNet™ Ethernet Enclosures

specifications

The industrial automation zone enclosures shall accommodate one or two Cisco^ IE3000 or Stratix^^ 8000 series industrial switches with expansion modules, power supplies and uninterruptable power supply (UPS) in support of a Converged Plantwide EtherNet/IP architecture. The enclosure shall be NEMA 4/12 and IP66 rated, have a pre-engineered back plate, punched and tapped to enable rapid installation of switch, DIN rail, and grounding. Pre-installed side panels punched and tapped to enable modular attachment of cable management accessories, grounding and field wiring. The enclosure shall also include Category 6 connectivity (connector modules, patch panel, and patch cords), a hinging bracket for patch panel attachment, strain relief bar, DIN rail, ground bar, push mount wire management accessories, cable ties, and labeling. The door shall be equipped with two 3mm double bit latches to secure the door. The door shall hinge on the right or left. An optional non-bundled enclosure shall be available.

technical information

Standards:	UL 508A - Standard for Industrial Control Panels CSA C22.2 No. 14, Industrial Control Equipment IEC 60529 Degrees of Protection Provided by Enclosures
Rating:	NEMA 4/12 and IP66
Dimensions:	With mounting angles: 40.0"H x 24.0"W x 11.7"D (1016mm x 610mm x 297mm) Without mounting angles: 36.0"H x 24.0"W x 11.7"D (914mm x 610mm x 297mm)
Color and material:	Enclosure: Gray, 14 gauge cold rolled steel Back panel: 14 gauge galvannealed
Temperature:	Enclosure designed for use of active equipment to 60°C operating temperatures; an optional fan kit is available
Mounting:	Supplied with external brackets for convenient wall mounting
Packaging:	Bundled enclosure: includes assembled enclosure base, door, wall mount brackets, pre-punched back plate, two side accessory panels, removable gland plate and connectivity, cable management and accessory kit Enclosure: includes assembled enclosure base, door, wall mount brackets, pre-punched back plate, two side accessory panels, and removable gland plate

key features and benefits

Pre-configuration	Reduces time required for planning, designing, procurement, and installation, as well as the cost of operations resulting in simpler specification and faster implementation (rapid deployment)
Network flexibility	Allows the designer of the Industrial Ethernet topology to locate industrial switches within the work zones or to remote areas of a plant or campus facility; allows the deployment of up to two switches and expansion modules; easy to use with conduit entry or gland plate bulkheads
Network reliability	Pre-defined cable routing paths use Panduit best practices in connectivity, cable management, wiring, and grounding in a secure enclosure
Safety	No arc flash concerns mixing IT and high voltage equipment
Standards compliance	NEMA 4/12 and IP66 rated protects against wash-down conditions, dusty and dirty environments
Security	Utilizes ¼ turn latches with 3mm double bit
Grounding	Integral bonding provisions on body, door and back plate
Mounting flexibility	Bolt in place flange mounting for NEMA applications; optional direct mount through back wall installation maintains NEMA rating when supplied sealing washer is used; reversible door for left or right hand opening

applications

The enclosures are designed to protect Industrial Ethernet switches in harsh environments. The enclosures are ideally suited for work zone cells where the switch is part of the Cisco^ Converged Plantwide EtherNet/IP architecture. The enclosures allow for long runs (in the architecture) to be accommodated by fiber. With a NEMA 4/12 and IP66 rating, the enclosures provide reliability and high performance, as an integral component to the end-to-end solution for Industrial Networks.

^Cisco is a registered trademark of Cisco Technology, Inc.
^^Stratix 8000 is a trademark of Rockwell Automation, Inc.

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IndustrialNet™ Ethernet Enclosures

Bundled enclosure:	IAZ2436B
Enclosure:	IAZ2436

Populated Gland Plate Accessories

Bulk head gland plate 26-port:	IAZBHGP26
Internal bulk head patch cord 3' length:	IUTPCHBH3BL
Internal bulk head patch cord 4' length:	IUTPCHBH4BL

IndustrialNet™ TX6™ Connectors

Category 6 UTP bulkhead connector:	IAEBH6
Category 6 shielded bulkhead connector:	IAEBH6S

IndustrialNet™ TX6™ PLUS Patch Cords

UTP with dust cap:	IUTPSP3BL*
UTP without dust cap:	IUTPSPNC3BL*
Shielded with dust cap:	ISTPSP1MBL**
Shielded without dust cap:	ISTPSPNC1MBL**

Fiber Uplink Accessories

Surface mount fiber box:	CBXF6BL-AY
LC OptiCam® connector:	FLCDMCXAQY
LC connector module:	CMDSAQLCBL
LC patch 10Gig™ patch cord:	FXE10-10MIY

IndustrialNet™ Ethernet Enclosure Accessories

Connectivity, cable management, and accessory kit:	IAZB-KIT
IP54 fan kit:	IAEFK54
Drain kit:	PZNDVK

*For lengths other than 3 feet (5, 7, 10, 15, or 20 feet) change the length designation in the part number to the desired length.
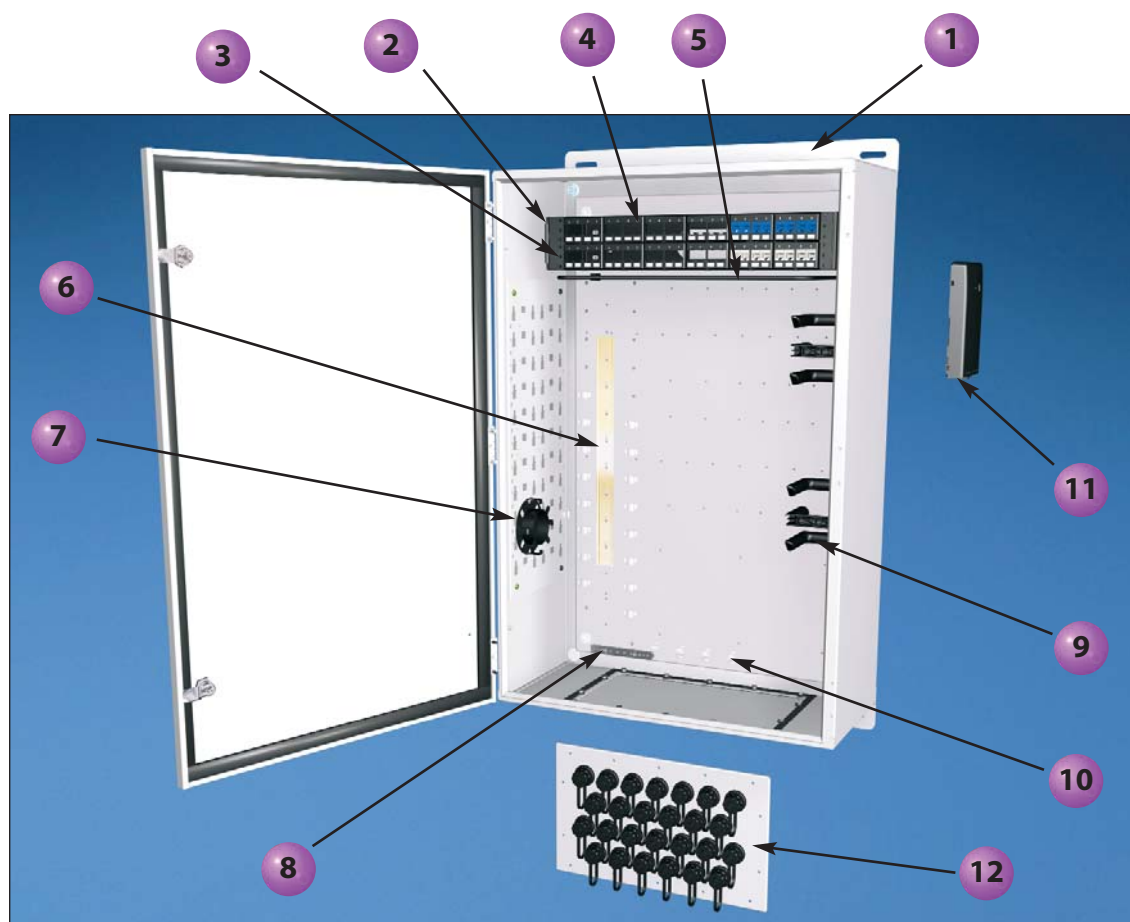**For lengths other than 1 meter (2, 3, or 5 meters) change the length designation in the part number to the desired length.

	Part Number	Description
1	**IAZ2436**	IndustrialNet™ Ethernet Enclosure
2	**IAZ2436B IndustrialNet® Ethernet Bundled Enclosure includes these components:**	2 RU pivoting patch panel bracket
3		48-port patch panel
4		Category 6 Mini-Com® Modules (16)
5		Strain relief bar
6		35mm DIN rail
7		Fiber slack spool
8		Ground bar
9		"L" cable management rings (6)
10		Push-in cable tie clips
		Category 6 copper patch cords, 1m length (16) (not shown)
11	**CBXF6BL-AY**	Mini-Com® 6 Position Fiber Surface Mount Box
12	**IAZBHGP26**	Gland plate assembly
	CMDSAQLCBL	Mini-Com® Duplex Fiber Optic Adapter Module (not shown)
	CAD1N1BL	DIN rail mount adapter (not shown)
	PZNF1, 2, or 3	NEMA 4X cable fittings (not shown)
	PZNDVK	Drain kit (not shown)

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