

# Pre-Configured Industrial Distribution Frame (IDF) with G5 Access Control

North America

**PANDUIT**<sup>®</sup>  
SPECIFICATION SHEET

## SPECIFICATIONS

Rack-mount Ethernet switches shall be deployed and protected with an industrial distribution frame (IDF) enclosure with G5 Access Control, which meets UL 508A, UL Type 4/12, IP55, and CE. The IDF with G5 access control shall be thermally and spatially validated in environments up to 50°C. There shall be a wall mount option with secure front and rear switch access. A G5 electronic swinghandle with built-in low frequency (125 kHz) card reader, hub, harness, and intelligent power distribution unit (iPDU) shall be pre-installed. The IDF with G5 access control shall accommodate two distribution layer switches or two access layer switches for commonly used copper and fiber-based deployments. A standardized, pre-configured equipment and accessory layout shall be included.



## TECHNICAL INFORMATION

<b>Standards:</b>	UL 508A Standard for Industrial Control Panels, cUL Listed per CSA, UL Type 4/12, IP55 Rated, and CE
<b>Dimensions L x W x H:</b>	48.54 in. x 23.62 in. x 31.06 in. (1233mm x 600mm x 789mm)
<b>Mounting:</b>	Wall mount
<b>Material and color:</b>	Mild steel enclosure with RAL7035 light-gray polyester powder paint
<b>Thermal analysis:</b>	Validated to 50°C with recommended AC unit
<b>Card proximity distance:</b>	2.75 in. (70mm)
<b>iPDU product family:</b>	MI Series: Ability for aggregate power monitoring to quickly identify potential power issues, and reclaim available or under-utilized power capacity

## KEY FEATURES AND BENEFITS

<b>G5 electronic swinghandle with built-in low frequency (125 kHz) card reader:</b>	Integrated prox card reader allows direct wireless access for authorized personnel
<b>Door access and control monitoring:</b>	Controls access to the enclosure and provides physical status of door
<b>G5 intelligent power distribution unit (iPDU):</b>	Monitors power and environment by continuously scanning for electrical circuit overloads and physical environmental conditions that place critical IT and OT equipment at risk
<b>Comprehensive and accurate: energy data measurement</b>	Efficiently use power resources, make informed capacity planning decisions, and improve uptime resulting in energy and money savings
<b>Pre-Configuration:</b>	Reduces time required for planning, designing, procurement, and installation resulting in up to 25% faster implementation
<b>Defined equipment locations and cable routings:</b>	Incorporate Panduit <sup>®</sup> developed best practices in connectivity, cable management, wiring, and grounding to ensure network reliability

## APPLICATIONS

The Pre-Configured IDF with G5 Access Control is engineered to deploy and protect 19" rack mount switches on the factory floor in an industrial network. Consistent design, equipment placement, and cable management minimize engineering and installation time resulting in faster implementation. Access control and power distribution capabilities protect critical IT equipment while saving energy and money. With UL Type 4/12 and IP55 ratings, the enclosures provide reliability and high performance, as an integral component of the end-to-end solution for Industrial Networks and allows easy deployment of cabling subsystem TIA-1005.

### Pre-Configured IDF with G5 Access Control

**26U:** ZDF48-RADA2

### Panduit Products, Ordered Separately

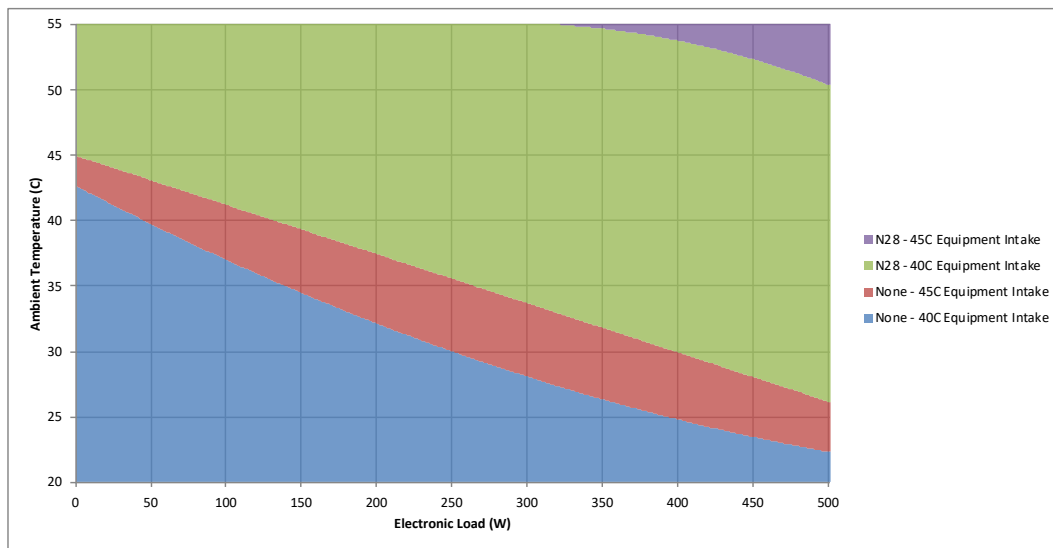
<b>Small diameter patch cords:</b>	UTP28SP8INBU
<b>Small diameter shielded patch cords:</b>	STP28X0.2MBU
<b>Mini-Com<sup>®</sup> Modules, Cat 6, RJ45:</b>	CJ688TGBU
<b>Mini-Com<sup>®</sup> Shielded Modules, Cat 6A, RJ45:</b>	CJS6X88TGBUY
<b>Cat 6 UTP Copper Cable, Riser:</b>	PUR6004BU-UY
<b>LC OptiCom<sup>®</sup> OM3/OM4 FAP:</b>	FAP12WAQDLCZ FAP6WAQDLCZ
<b>Opti-Core<sup>®</sup> Fiber Optic Patch Cords, LC to LC MM, Duplex:</b>	FX2ERLNLNSNM001
<b>Opti-Core<sup>®</sup> OM3 Fiber Optic Distribution Cable, MM, Riser:</b>	FODRX24Y
<b>LC OptiCam<sup>®</sup> OM3/OM4 Duplex FiberOptic Connectors:</b>	FLCDMCXAQY
<b>Mini-Com<sup>®</sup> Modular Patch Panel Strain Relief Bar 48-port, 2 RU:</b>	CPPL48WBLY
<b>Strain Relief Bar 7" Multi-Depth:</b>	SRB19MDBL
<b>Strain Relief Bar Extended 2":</b>	SRB19BLY
<b>Strain Relief Bar Straight:</b>	SRBS19BL-XY
<b>Vertical Cable Manager 2" Wide, Short (order qty. 2):</b>	CMVDR2S
<b>StructuredGround<sup>™</sup> Bonding Cage Nuts and Screws, Green, #12-24:</b>	CNB4K
<b>Cage Nut and Screws #12-24:</b>	CNWS1224-C
<b>Environmental Monitoring Sensors, Ordered Separately</b>	
<b>Temperature:</b>	EA001
<b>Temperature + Humidity:</b>	EB001
<b>Three Temperature + Humidity:</b>	EC001
<b>Water Rope Leak:</b>	ED001
<b>Water Spot Leak:</b>	EE001
<b>Three Sensor Input Hub:</b>	EF001
<b>Other Equipment, Ordered Separately</b>	
<b>nVent Spectra Cool Narrow Compact AC</b>	N280416G100
<b>nVent Fan and Exhaust Grille Kit:</b>	HF1016414 HG1000404



All Part Numbers Compliant with the U.S. Trade Agreements Act (TAA) for purchases shipped to the United States.

# Pre-Configured Industrial Distribution Frame (IDF) with G5 Access Control

## OPERATING RANGE WITH AIR CONDITIONING



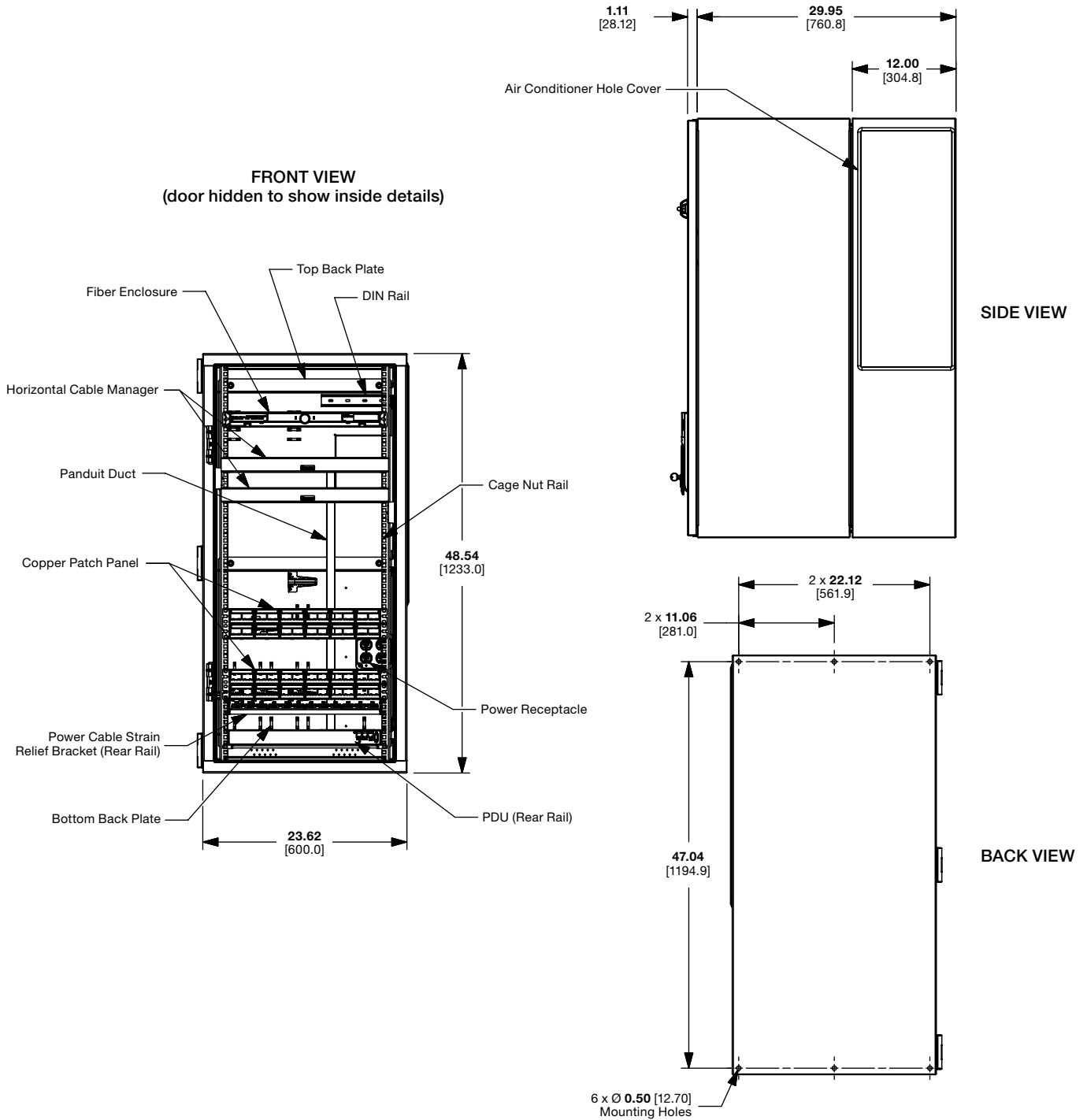
## ADDITIONAL SPECIFICATIONS

Region	Part Number	Enclosure Type	Switch Deployment	iPDU Series	PDU Part Number	Input Current per Phase
NA	ZDF48-RADA2	2/12 steel	2 access and up to 3 distribution	Monitor Input	P08D09M	15

Form Factor	Input Plug Type	Apparent Power (kVA)	Outlet Count	Outlet Configuration	Electronic Swinghandle
1U	5-15P	1.4	8	(8)5-20R	ACF05

# Pre-Configured Industrial Distribution Frame (IDF) with G5 Access Control

## ENGINEERING DRAWINGS



Dimensions are in inches. [Dimensions in brackets are metric].

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