



**PANDUIT**<sup>®</sup>  
**FlexFusion**<sup>™</sup>

**INNOVATE**  
**DESIGN**  
**TRANSFORM**



**FlexFusion**<sup>™</sup> Cabinet  
**Converged Infrastructure Solutions**

Accelerate Deployment with Flexible Data Center Cabinet Design

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## Global Commitment to Quality

As an industry leader in innovative design, Panduit understands that quality is the main reason our customers have long been dedicated to deploying our data center cabinets throughout the globe. Converged infrastructure solutions maintain the highest quality standards while offering superior performance customized to your specific data center needs. Offering flexible designs and robust features you can be assured that our data center cabinets will meet the challenges of your network's ever-growing demands.



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## Global Strategic Alliances

Our ongoing commitment to excellence and investment in our Global Strategic Alliances, such as Cisco Systems, Dell/EMC, etc., enables our highly skilled and knowledgeable global sales, systems engineering, and technical support teams to engage with critical customer challenges that range from initial problem determination to resolution.

# Introducing FlexFusion™ Data Center Cabinets – Your Premier Choice for Converged Infrastructure

As data center needs continue to evolve, it is critical that your cabinet solutions offer maximum scalability. With the growth of Edge data centers and colocation sites, cabinets not only have to be flexible in their designs but must be configured for unique environmental needs and equipment needs that push the boundaries for maximum cooling and powering efficiencies.

FlexFusion™ Cabinets offer a unique universal platform for all types of data centers and servicing needs including Hyperscale, Edge and Multi-Tenant Data Center. Built with best-in-class weight load of 3,500 lbs. and doors with maximum air flow of 80%, our new cabinet design can tackle your most challenging cabinet installations. Whether it's for server, network or hybrid applications, FlexFusion™ Cabinets deliver performance to keep your networks running at optimal efficiency.



## FlexFusion™ Cabinet Features



### Performance

Best-in-class static load frame rating of 3,500 lbs. and 2,500 lbs. rolling load.



### Maximum Cooling

80% open perforated doors assures maximum airflow through the cabinet for high thermal applications.



### Rapid Deployment

Easy to adjust equipment rails (optional time savings tool-less), tool-less vertical cable manager panel and tool-less top cap rear entry.



### Scalability

Customer configure-to-order platform to create a complete integrated solution.



### Bonding

Cabinets and accessories are integrally bonded without the use of grounding wires to provide a safe and reliable network.



### Versatility

Cabinet is available in wide range of sizes and options for hot aisle/cold aisle or thermal containment deployment.

## FlexFusion™ Cabinet Overview

Features	Descriptions
<b>Cabinet Styles</b>	Universal construction for server, network or other hybrid applications
<b>Height</b>	42, 45, 48 and 52 RU
<b>Width</b>	600, 700 and 800mm
<b>Depth</b>	1070mm and 1200mm
<b>Color Options</b>	Black/White
<b>Load Ratings</b>	3500 lbs. static load/2500 lbs. rolling load
<b>Doors</b>	Single hinge front door/split hinge rear door
<b>Door Perforation</b>	80% airflow rate
<b>Locking*</b>	Choices of mechanical/3 digit combination/SmartZone™ Gen 5 Intelligent Handle with and without keypad. SmartZone™ Handles include humidity sensors.
<b>Side Panels</b>	Choice of none/left/right/both left and right (panels are interchangeable – left to right)
<b>E-Rail</b>	Adjustable front and rear with 25 cage nuts, M6. Choice of time savings tool-less or standard hardware fasten.
<b>Cable Management Fingers</b>	4" and 6" fingers options in Black/White (packaged with the cabinet)
<b>Grounding</b>	Integral bonding of doors, side panels and top cap
<b>Vertical Cable Management Panels</b>	Tool-less moveable 2 piece, 6-inch wide construction, Black or White
<b>Casters</b>	Choice of with or without casters
<b>PDU Brackets</b>	Choice of none/left/right/left and right
<b>Top Cap</b>	Brush seals or CoolBoot® grommets (CoolBoots must be ordered separately)
<b>Temperature and Door Sensors*</b>	Choice of none or temperature sensors – front and rear doors
<b>Side Panel Sensors*</b>	Choice of none or both sides
<b>PDU Selections</b>	Offering a wide variety of G5 Panduit Intelligent Solutions for installation

\*Note: All intelligence in the FlexFusion™ Cabinet must be ordered with a Gen 5 PDU.

## FlexFusion™ Configured Cabinet

Series	Width	Height	Depth	Side Panels	Color	Cabinet Type	Configured Part Designator Based on Selected Options
<b>XG</b>	6 = 600mm 7 = 700mm 8 = 800mm	42 = 42 RU 45 = 45 RU 48 = 48 RU 52 = 52 RU	1 = 1070mm 2 = 1200mm	1 = Left Side Only 2 = Both Sides 3 = Right Side Only 9 = No Side Panels	B = Black W = White	S = Standard	xxxx

### Example Part Number

Part Number	Width (mm)	Height (RU)	Depth (mm)	Side Panels	Color	Top Cap Type	Doors	PDU Mounting Bracket	Cable Management Fingers	Vertical Cable Manager Panel	Casters	PDU Included
<b>XG84522BS0005</b>	800	45	1200	Both Sides	Black	Brush Seal	Yes	Both Sides	Yes	Left Side	Yes	No

# FlexFusion™ Accessories

Replacement Door				
Series	Type	Width	Height	Color
XG-DR	SH = Single Hinged Perforated SP = Split-Hinged Perforated	6 = 600mm	42 = 42 RU	B = Black W = White
		7 = 700mm	45 = 45 RU	
		8 = 800mm	48 = 48 RU	
			52 = 52 RU	

Examples:  
 XG-DRSH642W is a single door kit for 600mm wide, 42 RU, White cabinet.  
 XG-DRSH845B is a single door kit for 800mm wide, 45 RU, Black cabinet.  
 XG-DRSP845B is a split-hinged door kit for 800mm wide, 45 RU, Black cabinet.

Side Panels				
Series	Type	Height	Depth	Color
XG-SP	FS = Full Set, 1 side	42 = 42 RU	1 = 1070mm 2 = 1200mm	B = Black W = White
		45 = 45 RU		
		48 = 48 RU		
		52 = 52 RU		

Vertical Cable Management Panel			
Series	Height	Color	
XG-VCM	42 = 42 RU	B = Black W = White	
	45 = 45 RU		
	48 = 48 RU		
	52 = 52 RU		

Examples:  
 XG-VCM42B is a vertical cable management panel for 42 RU, Black cabinet.  
 XG-VCM45B is a vertical cable management panel for 45 RU, Black cabinet.  
 XG-VCM48W is a vertical cable management panel for 48 RU, White cabinet.

Cable Management Fingers				
Series	Length	Cabinet Height	Color	
XG-FM	S = Short (100mm) L = Long (150mm)	45 = 42 and 45 RU	B = Black W = White	
		48 = 48 RU		
		51 = 51 and 52 RU		

Examples:  
 XG-FMS45B is a cable management finger kit for 42 RU and 45 RU, 100mm long, Black color.  
 XG-FML45B is a cable management finger kit for 42 RU and 45 RU, 150mm long, Black color.  
 XG-FML48W is a cable management finger kit for 48 RU, 150mm long, White color.

Air Dam Seal Kit			
Series	Width	Color	
XG-ADS	6 = 600mm	B = Black W = White	
	7 = 700mm		
	8 = 800mm		

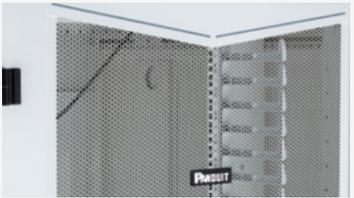
Examples:  
 XG-ADS7W is an air dam seal kit for 700mm wide, White color cabinet.  
 XG-ADS8B is an air dam seal kit for 800mm wide, Black color cabinet.

PDU Mounting Bracket		
Part Number	Color	
XG-PBRB	Black	
XG-PBRW	White	

Front to Back Cable Management Trough		
Part Number	Color	
XG-FTBB	Black	
XG-FTBW	White	

This kit is for either 700 or 800mm wide cabinets.

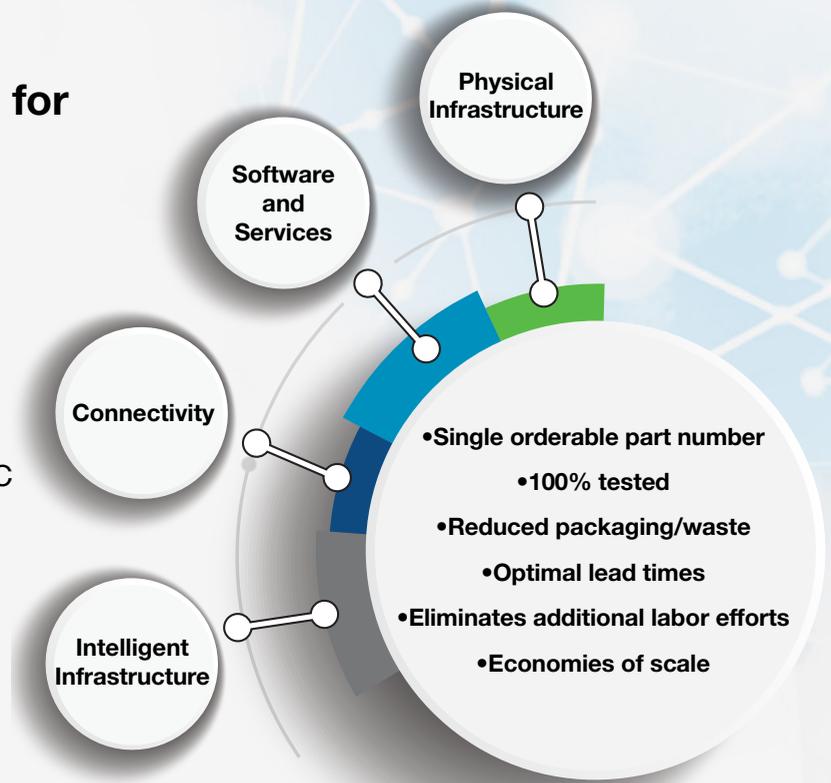
FlexFusion™ cabinets accommodate a wide variety of accessories to meet your installation needs. From intelligence solutions to fiber management, please go to our web site at [www.panduit.com](http://www.panduit.com) to look at our latest offerings.



# A Complete Integrated Solution for FlexFusion™ Cabinets in Just One Part Number

From design to installation, our converged cabinets integrate intelligence, software and customization in one single part number. Ready to deploy cabinets streamline installation times, minimize waste and improve lead times with configurations that meet your needs. From MTDC to Edge sites, configured cabinets will lower operational costs and support environmental initiatives. Our customer configuration tool will take you step by step to create your data center cabinet design.

[www.panduit.com/configure-cabinet](http://www.panduit.com/configure-cabinet)



## Real Benefits You Can Count On

Our Converged Infrastructure Solutions reduce time to production up to 80%. Solutions arrive fully tested, validated and ready to rack and roll.



**Assessment**

reduced up to 80%



**Planning**

reduced up to 80%



**Fulfillment**

reduced up to 90%



**Deployment**

reduced up to 65%

## Converged Solutions – Expanded Cabinet Integrations



SmartZone™ Gen 5 Intelligent Handle



Monitored Per Outlet Intelligent PDU



SmartZone™ G5 Temperature Sensor

<b>SmartZone™ Gen5 Integrated Intelligent Handles</b>	Panduit SmartZone™ Intelligent Handles with and without keypads offer security as well as integrated temperature and humidity sensors for complete monitoring and protection of equipment.
<b>PDU Intelligent Powering Distribution</b>	Offering various sizes, plug styles, and outlet configurations Panduit iPDUs provide comprehensive accurate, energy measurement data to efficiently use power resources.
<b>Infrastructure Management Solutions</b>	Capturing real-time data for power usage, environmental status, network data and security status.

## Additional products to complete your total installation (ordered separately)



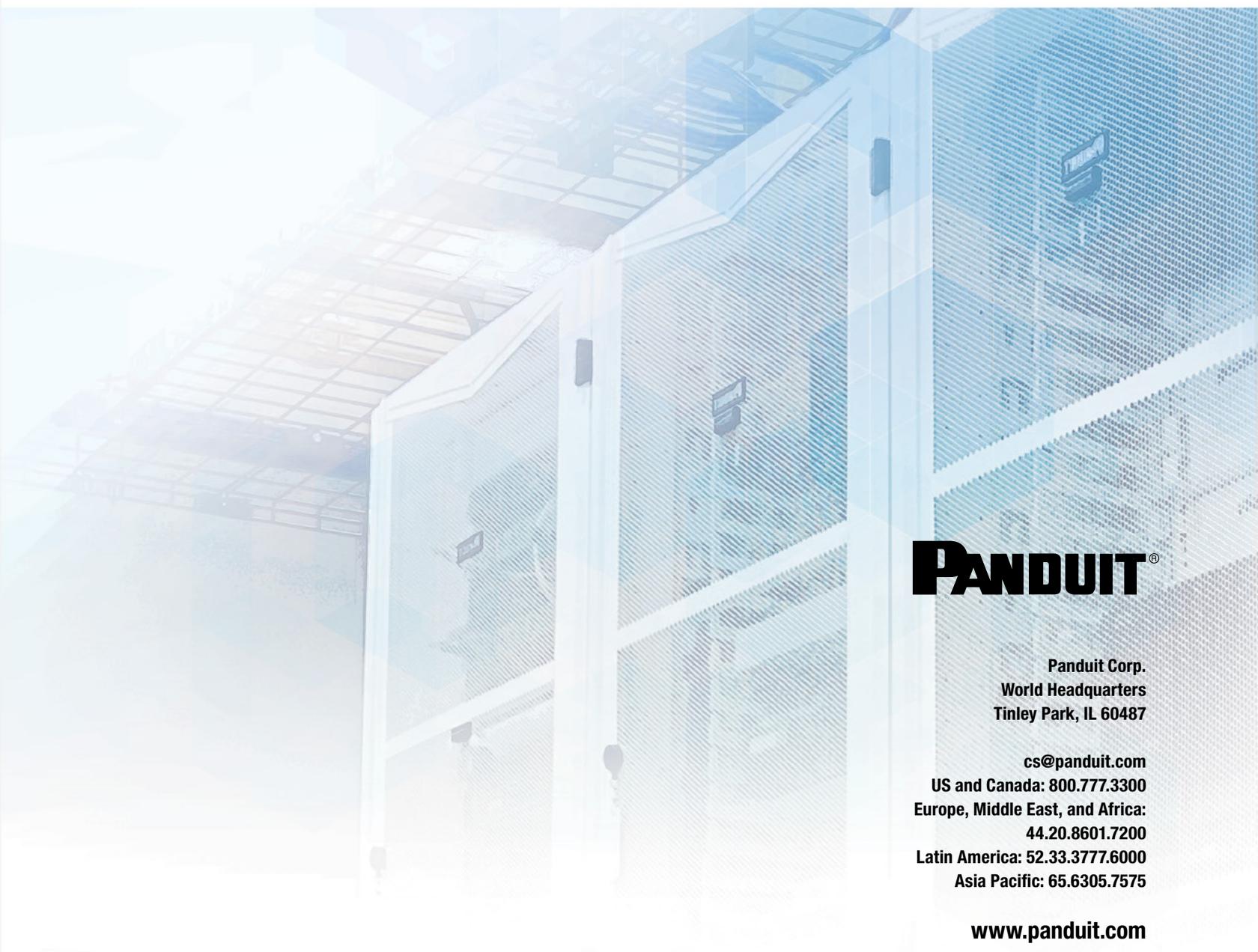
<b>Universal Aisle Containment</b>	The universal aisle containment approach allows you to go back and reclaim stranded capacity, restore energy efficiency, and reduce or defer CapEx by retrofitting your existing data center with an innovative offering of services, containment systems, and environmental monitoring.
<b>High Performance Fiber Solutions – Patch Panels/ Cassettes/Connectivity</b>	Panduit fiber optic trunks, jumpers and cassettes offer versatile interconnectivity and high density solutions with the newest connector and cabling technologies including Pan-MPO™ Connectors, CS Connectors and OM4/OM5 fiber.



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## Reference Architectures

Panduit offers a library of reference architectures supporting the latest in cabinet layout and design for some of the major switch/storage providers in the market today. We provide a complete offering of connectivity and interconnection products to allow a seamless installation of your data center cabinets supporting various leaf and spine architectures. Our bundles also include guides for proper installation of equipment and optional powering solutions and environmental monitoring with our SmartZone™ Line of Products to offer 24/7 protection of your equipment.



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