



RittalXpress



Get the right rack. Right now.

FRIEDHELM LOH GROUP



RIMATRIX5[®]
DRIVING IT-PERFORMANCE

Helping You Protect Your Business



Rittal RimatriX5 – An Innovative Suite of Products for the Data Center

Rittal, the world's leading enclosure manufacturer, understands your unique data center challenges – increasing energy costs, data security, and installation density issues that make your floor space even tighter. The Rittal **RimatriX5** family of IT products is the comprehensive, efficient solution to overcome these obstacles.

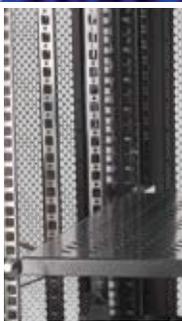
The **RimatriX5** concept includes **Server Racks & Enclosures, Power Management, Cooling, Security,** and **Remote Monitoring/Management** – all employing **industry-leading technology** that has been proven in data centers around the world. The **RimatriX5** line of products delivers **award-winning performance** while remaining flexible, intuitive, and completely scalable to suit all of your IT infrastructure needs. Because the **RimatriX5** concept is based on Rittal's decades of experience in modular design, your data center is free to grow as you do.

To find out how Rittal RimatriX5 products can take care of your data center, contact us at 1-800-477-4000 or visit www.rittal-it.com to find out more.





Your Racks. Fast.



RittalXpress — High Performance Delivery.

Get the Server Rack You Want In Just 1 or 3 Days

Take control with **RittalXpress** – the quick-ship program featuring many products from the **RimatriX5** family. You can count on the world's leading rack manufacturer to get you the rack you need, when you need it.

1 Day Program

We will ship the Rittal server racks and accessories you select, ready for you to configure, within 24 hours after we receive your purchase order.

Here's all you do:

- Choose the server rack and sidewalls that best fit your requirements.
- Select the fans, electrical components, cable management devices, hardware, or other accessories for your application.

3 Day Program

Give us another two days and we'll configure and customize your rack so it's ready to use when it arrives on your dock.

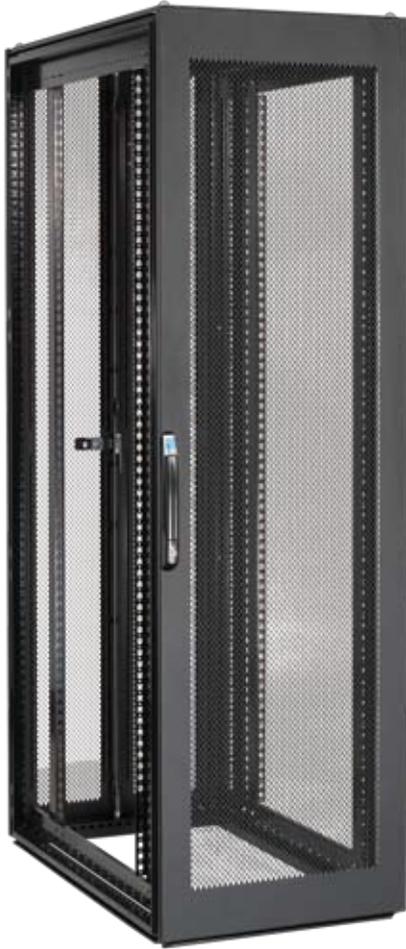
Just follow these steps:

- Choose your server rack.
- Select your accessories.
- We'll install the accessories you select into your rack, configured just the way you want them. Then we'll ship the ready-to-use unit in just three days.

To decide which program is right for your needs, choose your rack and accessories, then contact us at 1-800-477-4000 to place your order.



TS8 Server/Network Racks



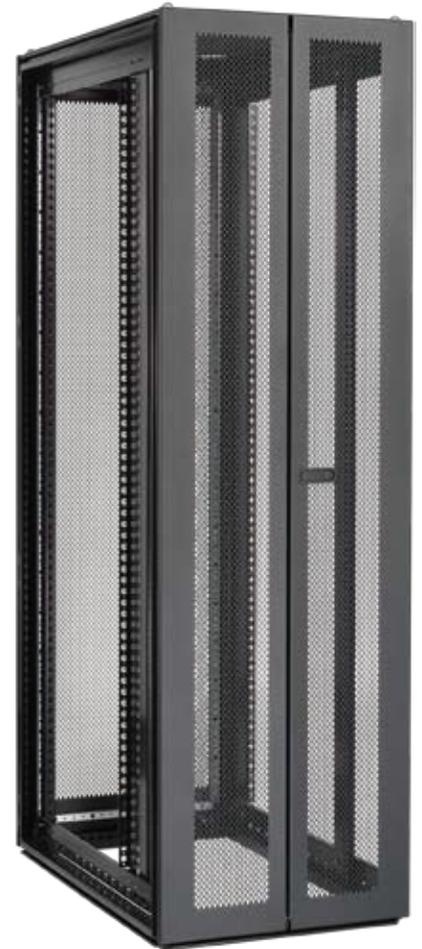
The Rittal TS8 Network Rack – Your Search Is Over

No one knows more about server and network racks than **Rittal**.

As the world's leading enclosure manufacturer – with over 15,000 products – **Rittal** combines **smart engineering** with carefully crafted **functionality**.

RittalXpress brings this **quality** and **expertise** right to your doorstep, right on time.

Rittal – Reliable, Innovative, Ideal.





TS8 Server Rack

The World's Leading Rack – Available In One or Three Business Days

Applications:

- Universal server racks
- Multiple vendor environments
- Storage equipment
- Termination equipment
- Network equipment

Features:

- Contemporary, sleek appearance
- Multiple vendor equipment compatibility
- Full line of accessories
- Complete family of sizes and styles
- Excellent heat dissipation
- Strong frame structure

Key Accessories:

- Sidewalls
- Door Mount Server Fan Panel
- Baying Kits
- Toolless Shelves – 19" (482.6 mm) Rackmount
- Casters
- Cable Management Hardware – D Rings, Velcro Straps, Mounting Plates, Manage-IT
- Power Strips – 15, 20, 30 Amp; Vertical or Rackmount
- Bolt Down Kits
- Toolless Blanking Panels
- Partition Walls

Frame System – Multi-Fold Frame Design:

- Steel frame – strength and rigidity while light in weight
- Frame-only version ideal for four post applications
- Torsion free structure
- Multiple internal surfaces and points for mounting
- Maximum internal volume for footprint
- External access to all installation points for doors, walls and baying
- Maximum load bearing capacity – 3200 lbs. (1451.5 kg)
- Available with single or split rear doors

External Surfaces – Doors and Walls:

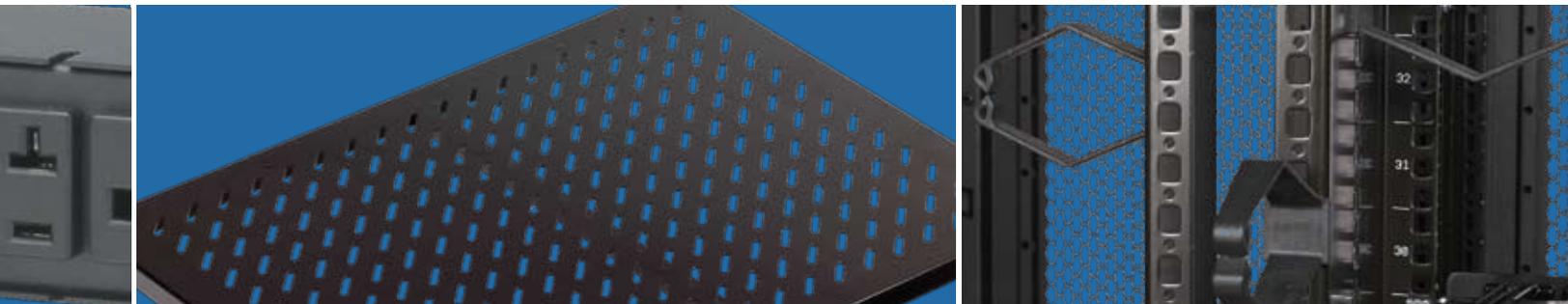
- Secure to external surfaces of frame
- Doors can be easily removed or reversed
- Sidewalls can be screwed on, locked in place or hinged to provide side door access
- Internal door hinge and lock points for maximum security
- Door stiffener to stabilize door and provide additional mounting surfaces
- Maximum perforated area meets or exceeds server manufacturer specifications for airflow
- Ground studs on all surfaces
- External surfaces do not affect load bearing capacity – same ratings with or without panels
- Fully perforated front and split-rear door

Vertical Mounting Rails:

- Fully depth adjustable and maintain load capacity regardless of where the rails are positioned
- Floating installation system – vertical rails are not secured to frame members or lateral support channels; can be adjusted independently
- "Z" shaped, multi-fold profile – high load bearing capacity and multiple mounting surfaces
- 19" mounting capacity in 24" racks, 19" and 23" mounting capacity in 28", 32" racks
- U markings on front and rear surfaces of each rail



TS8 Networking Rack



TS8 Server/Network Racks – 1 Day Program

The World's Leading Rack – Shipped In One Business Day

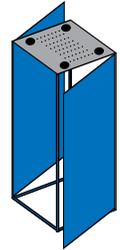
Get the proven Rittal TS8 quickly, allowing you to get on with the needs of your business. Just follow the steps below, then **contact Rittal at 1-800-477-4000 to place your order.**

Step 1 – Choose Rack

Choose a rack and door options from the table below:

Rack Part No.	Description	Front Door		Rear Door
		Fully Perforated	Viewing Perforated	Split Perforated
TS8 Network Racks – Black				
9969863	42U – 80”H x 24”W x 32”D		■	■
9969865	42U – 80”H x 32”W x 32”D		■	■
TS8 Server Racks – Black				
9969833	42U – 80”H x 24”W x 40”D	■		■
9969847	42U – 80”H x 24”W x 42”D	■		■
9969835	42U – 80”H x 28”W x 40”D	■		■
9969849	42U – 80”H x 28”W x 42”D	■		■
9969851	42U – 80”H x 32”W x 42”D	■		■
9969839	47U – 88”H x 24”W x 40”D	■		■
9969853	47U – 88”H x 24”W x 42”D	■		■
9969841	47U – 88”H x 28”W x 40”D	■		■
9969855	47U – 88”H x 28”W x 42”D	■		■
9969857	47U – 88”H x 32”W x 42”D	■		■

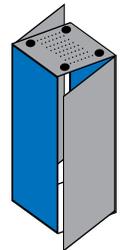
Note: Racks come configured with a perforated roof; additional options are available



Step 2 – Choose Sidewalls

Choose the (optional) sidewalls from the table below:

Sidewalls	TS8 Sidewalls – Black	Packing Units (PU)
9969916	42U – 80”H x 32”D	2
9968596	42U – 80”H x 40”D	2
9969351	42U – 80”H x 42”D	2
9968594	47U – 88”H x 40”D	2
9969355	47U – 88”H x 42”D	2

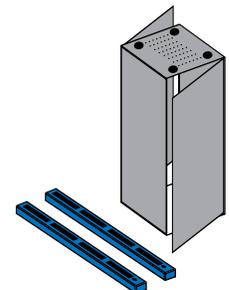


Step 3 – Choose Additional Accessories

Choose from:

- PDUs (19” Rack Mount & Vertical Mount)
- Fans
- Manage-IT Cable Management System
- System Bars

Note that accessories will shipped loose with the finished rack in the 1 day program – see pages 10-11 for more information



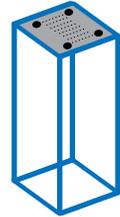
The Right Rack For Your Data Center, Fully Equipped – Shipped In Three Business Days

The world's leading rack with the exact accessories you need. Just follow the steps below, then **contact Rittal at 1-800-477-4000 to place your order.**

Step 1 – Choose Frame

Choose a **frame** from the following sizes:

- | | |
|---|---|
| <input type="checkbox"/> 42U – 80”H x 24”W x 40”D | <input type="checkbox"/> 47U – 88”H x 24”W x 40”D |
| <input type="checkbox"/> 42U – 80”H x 24”W x 42”D | <input type="checkbox"/> 47U – 88”H x 24”W x 42”D |
| <input type="checkbox"/> 42U – 80”H x 28”W x 40”D | <input type="checkbox"/> 47U – 88”H x 28”W x 40”D |
| <input type="checkbox"/> 42U – 80”H x 28”W x 42”D | <input type="checkbox"/> 47U – 88”H x 28”W x 42”D |
| <input type="checkbox"/> 42U – 80”H x 32”W x 42”D | <input type="checkbox"/> 47U – 88”H x 32”W x 42”D |

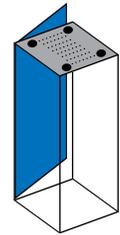


Note: Frames come configured with a perforated roof; additional options are available

Step 2 – Choose Rear Door

Choose a **rear door** from the following options:

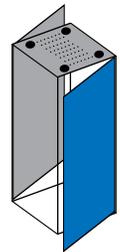
- | | |
|---|---|
| <input type="checkbox"/> Fully Perforated | <input type="checkbox"/> Viewing Perforated |
| <input type="checkbox"/> Split Perforated | <input type="checkbox"/> Open |



Step 3 – Choose Front Door

Choose a **front door** from the following options:

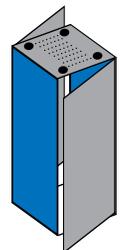
- | | |
|---|---|
| <input type="checkbox"/> Fully Perforated | <input type="checkbox"/> Viewing Perforated |
| <input type="checkbox"/> Split Perforated | <input type="checkbox"/> Open |



Step 4 – Choose Sidewalls

Choose from the **sidewall** options:

- | | |
|---|--|
| <input type="checkbox"/> Installed Only On Left Side (As Viewed From Front) | <input type="checkbox"/> Installed Only On Right Side (As Viewed From Front) |
| <input type="checkbox"/> Installed As A Pair | <input type="checkbox"/> Open |

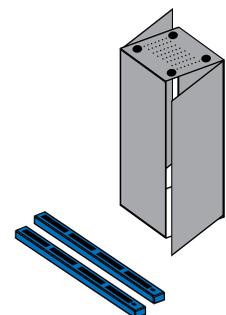


Step 5 – Choose Additional Accessories

Choose from:

- | | |
|---|--------------------------------------|
| <input type="checkbox"/> PDUs (19” Rack Mount & Vertical Mount) | <input type="checkbox"/> Fans |
| <input type="checkbox"/> Manage-IT Cable Management System | <input type="checkbox"/> System Bars |

Note that accessories will be installed in the finished rack in the 3 day program – see pages 10-11 for mounting options



TS8 Server/Network Rack Accessories

Accessories			Installation
Part No.	Description	Packs Of	Standard Mounting Location
Miscellaneous Accessories			
2089.000	M6 Phillips Screws	100	Shipped Loose
2092.200	M6 Captive Nuts	50	Shipped Loose
7111.900	Cable Guide Rings 120 x 80 mm (4.72 x 3.14")	10	Shipped Loose
7112.000	Cable Guide Rings 80 x 37 mm (3.14 x 1.45")	10	Shipped Loose
7119.250	19" Rack Mount Component Shelves, 2U, 250 mm (10") Deep	1	Shipped Loose
7119.400	19" Rack Mount Component Shelves, 2U, 400 mm (16") Deep	1	Shipped Loose
8800.490	TS8 Baying Connector, External	6	Shipped Loose
9968.837	Heavy-Duty Support Rails	1	Shipped Loose
9968.422	Toolless Shelves, Black	1	Installed at 10U
8612.400	Mounting Plate	4	Shipped Loose, unless being used to install PDUs
9968.751	Caster Kit	4	Installed
9970.016	1U Toolless Blanking Panel, Black	10	Shipped Loose
9970.017	3U Toolless Blanking Panel, Black	5	Shipped Loose
9971.042	42U – 80"H x 40"D TS Partition Wall	1	Installed – Specify Right or Left
9971.043	42U – 80"H x 42"D TS Partition Wall	1	Installed – Specify Right or Left
9971.046	47U – 88"H x 40"D TS Partition Wall	1	Installed – Specify Right or Left
9971.047	47U – 88"H x 42"D TS Partition Wall	1	Installed – Specify Right or Left
9971.066	0U PDU Button Mount Bracket	2	Shipped Loose
9971.067	Dual PDU Button Mount Bracket	2	Shipped Loose
Fans			
9969.937	TS8 Split Rear Door Fan, 115V, 24"W, Black	1	Installed Centered Vertically on Doors
9969.939	TS8 Split Rear Door Fan, 230V, 24"W, Black	1	Installed Centered Vertically on Doors
9969.941	TS8 Split Rear Door Fan, 115V, 28"W, Black	1	Installed Centered Vertically on Doors
9969.943	TS8 Split Rear Door Fan, 230V, 28"W, Black	1	Installed Centered Vertically on Doors
9969.945	TS8 Split Rear Door Fan, 115V, 32"W, Black	1	Installed Centered Vertically on Doors
9969.947	TS8 Split Rear Door Fan, 230V, 32"W, Black	1	Installed Centered Vertically on Doors
PDUs 19" Rack Mount			
9970.728	12xC13 Receptacles, C20 Plug, 1U, Amp Display, 208/230V-20A	1	Will be installed at 20U, Each additional will be directly above
9970.723	10x5-20 Receptacles, C20 Plug, 1U, Amp Display, 120V-20A*	1	Will be installed at 20U, Each additional will be directly above
9970.843	12x5-20 Receptacles, C20 Plug, 120V-20A*	1	Will be installed at 20U, Each additional will be directly above
9970.844	12x5-20 Receptacles, 10' Cord, L5-30 Plug, 120V-30A	1	Will be installed at 20U, Each additional will be directly above
9970.743	12xC13 Receptacles, C20 Plug, 0U, Amp Display, 208/230V-20A*	1	Will be installed at 20U, Each additional will be directly above

*Must choose power cord

Blue boxes note standard mounting locations for accessories purchased under the 3 day program. All accessories purchased under the 1 day program will be shipped loose. For customized accessory mounting locations contact Rittal at 1-800-477-4000. Items without a blue background will be shipped loose.



TS8 Server/Network Rack Accessories

Accessories (Continued)			Installation
Part No.	Description	Packs Of	Standard Mounting Location
PDU Vertical Mount			
9970.742	12x5-20 Receptacles, 10' cord, L5-30 Plug, 0U, Amp Display, 120V-30A	1	1 st Mounting Location – Right Rear 2 nd Mounting Location – Left Rear
9970.747	24x5-20 Receptacles, 10' cord, C20 Plug, 0U, Amp Display, 120V-20A	1	1 st Mounting Location – Right Rear 2 nd Mounting Location – Left Rear
9970.748	24x5-20 Receptacles, 10' Cord, L5-30 Plug, 0U, Amp Display, 120V-30A		1 st Mounting Location – Right Rear 2 nd Mounting Location – Left Rear
9970.750	24xC13 Receptacles, 10' Cord, L6-30 Plug, 0U, Amp Display, 208/230V-30A	1	1 st Mounting Location – Right Rear 2 nd Mounting Location – Left Rear
9970.811	10' Power Cord, C19 to L6-20P#	1	Shipped Loose
9970.812	10' Power Cord, C19 to L5-20P#	1	Shipped Loose
9970.813	10' Power Cord, C19 to 5-20P#	1	Shipped Loose
9970.814	10' Power Cord, C19 to 5-15P#	1	Shipped Loose
Manage-IT Cable Management System			
9969.593	3.5" x 9U Vertical Manager Kit 600W Suited or 700/800W Standalone	1	Shipped Loose
9969.594	3.5" x 9U Vertical Manager Cover for 9969593	4	Shipped Loose
9969.595	7.5" x 9U Vertical Manager Kit for 700W Suited Racks	1	Shipped Loose
9969.596	7.5" x 9U Vertical Manager Cover (700 and 800 wide) for 9969595 and 9969598	4	Shipped Loose
9969.597	2U x 19" Rack Mount Manager Kit w/Cover	2	Shipped Loose
9969.736	1U x 19" Rack Mount Manager Kit w/Cover	2	Shipped Loose
9969.598	10" x 9U Vertical Manager Kit for 800W Suited Racks	1	Shipped Loose
9969.599	Quarter-Turn Hook & Loop Manager	10	Shipped Loose
9969.600	Quarter-Turn "Claw" Manager	10	Shipped Loose
9969.601	Slack Spool w/ M5.5 screw	10	Shipped Loose
System Bars			
4174.000	Vertical System Bars for 24U (48"H) Rack	6	Shipped Loose
4177.000	Vertical System Bars for 42U (80"H) Rack	6	Shipped Loose
4178.000	Vertical System Bars for 47U (88"H) Rack	6	Shipped Loose
4182.000	Mounting Brackets for Vertical System Bars	24	Shipped Loose

Blue boxes note standard mounting locations for accessories purchased under the 3 day program. All accessories purchased under the 1 day program will be shipped loose. For customized accessory mounting locations contact Rittal at 1-800-477-4000. Items without a blue background will be shipped loose.

Rittal — RittalXpress Programs

Want to learn more about the RittalXpress program? Visit www.rittal-corp.com/rittalxpress to find out more.

Learn More About Rittal IT Products

Rittal offers a full line of IT racks and accessories – go to www.rittal-corp.com/literature to order or download these publications:



RimatriX5 IT Solutions Catalog

IT racks, cooling, monitoring & security, and power for the modern data center.



RimatriX Modular UPS Brochure

Backup power for high density applications.



RiLAN

Industrial networking cabinets for plant floor installations.

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White Paper 502: High Density Cooling - The Case for Liquid Cooling



White Paper 503: High Density Cooling - A Costs & Benefits Review

Connect with the Experts

You can contact Rittal in the United States:

- By phone: 1-800-477-4000
- On the Internet: www.rittal-it.com or rittal@rittal-it.com
- By Fax: 937-390-5599

You can contact Rittal in Canada:

- By phone: 1-800-399-0748
- On the Internet: www.rittal.ca or marketing@rittal.ca
- By Fax: 905-795-9548

Rittal Corporation • One Rittal Place • Springfield, OH 45504, USA
Phone: 937.399.0500 • Fax: 937.390.5599 • Toll-free: 1.800.477.4000 • www.rittal-it.com • Email: rittal@rittal-it.com

Rittal Systems Ltd. • 7320 Pacific Circle • Mississauga, Ontario Canada L5T 1V1
Phone: 905.795.0777 • Fax: 905.795.9548 • Toll-free: 800.399.0748 • www.rittal.ca • Email: marketing@rittal.ca