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VX 5307.157

Network/server rack VX IT

State: 03/11/2026 (Source: www.rittal.com/com-en)

VX 5307.157 - Network/server rack VX IT with glazed door, pre-configured, with 482.6 mm (19") swing frame

VX IT network/server enclosure, closed, for direct climate control tailored to the specific enclosure. Supplied pre-assembled with a selection of practical equipment. 482.6 mm (19") interior installation with 482.6 mm (19") swing frame for direct access to the rear of 482.6 mm (19") components, thanks to an opening angle of 130°.





Features

Model No.	VX 5307.157
Material	Sheet steel Aluminium Plastic Glazed door: Single-pane safety glass, 3 mm Front door: Aluminium, 1.25 mm
Surface finish	Enclosure frame: Dipcoat-primed Interior installation: Spray-finished Rear panel and roof: Dipcoat-primed, powder-coated Front door: Aluminium, anodised/spray-finished
General colour	RAL 7035
Colour	Enclosure frame, rear panel and roof: RAL 7035 Front door: Vertical sections, silver coloured and horizontal sections, RAL 9005 Interior installation, base/plinth: RAL 9005 Handle and hinges: RAL 9005

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Features

Supply includes	Enclosure frame with doors and roof plate Glazed aluminium door at the front (180°), with comfort handle for semi-cylinder and security lock 3524 E Rear panel Roof plate, multi-piece, removable, with side cable entry in the depth and covered cut-out for fan mounting plate Base module mounted at front as infill panel Swing frame, large, with side trim panel for the installation of 482.6 mm (19") mounting components whilst utilising the full rack height, 130° Side panels, one-piece, for screw fastening Base/plinth system VX, 100 mm, vented Base/plinth corner pieces and trim panels, sides, screw-fastened Base/plinth trim panels, front and rear plus corner and baying covers supplied loose 4 levelling feet, M12, including base/plinth adaptor (supplied loose) Spacers, height 50 mm, to raise a cover plate above the fan cut-out in the roof plate, for passive cooling (supplied loose). Not required for variants without a cut-out. 12 x 482.6 mm (19") fastener, 1 U, conductive (supplied loose) 25 multi-tooth screws, conductive (supplied loose) 4 combination rails for inner and outer mounting level, to fit rack depth (supplied loose) 10 cable shunting rings, metal, 125 x 65 mm (supplied loose) IPPC pallet Base module mounted at front as infill panel, depth 175 mm
Dimensions	Width: 800 mm Height: 2,000 mm Depth: 800 mm
Units	40 U
Height including base/plinth	2,100 mm
Free mounting space to the 482.6 mm (19") level, front/rear	150 mm / 520 mm
Design	Swivel frame
Roof design	multi-piece, removable, with side cable entry in the depth and covered cut-out for fan mounting plate
Rear door design	Rear panel

Features

Front door design	Glazed aluminium door, solid, one-piece, 180° hinges
Mounting angle design	Swing frame
Base design	Base module mounted at front as infill panel
482.6 mm (19") level(s) version	Swing frame, 482.6 mm (19"), fitted
Load capacity	3,500 N
IK Code	IK08
Note	Depending on how and where it is sited, the door opening angle may vary for selected applications
Basic material	Sheet steel
Packs of	1 pc(s).
Net weight	138 kg
Gross weight	150 kg
PCF per pack (cradle-to-gate)	369.6 kg CO2 eq (Cat B)
Note on PCF category	Category B: PCF value (cradle-to-gate) based on the product weight, approximately calculated and self-declared
Customs tariff number	94032080
ETIM 9	EC002499
ECLASS 8.0	27180207
Product description	VX IT network/server rack standard, WHD: 800x2000+100x800 mm, 40 U, pre-configured, glazed aluminium door at the front, 180° hinges, one-piece solid rear door, comfort handle for profile half-cylinder

Approvals

Approvals	UL + C-UL (listed)
Certificates	Negative Certificate Surface finish

Approvals

Explanations	Manufacturer's declaration Declaration of conformity Declaration of conformity UK

Tender text

VX IT pre-configured network, server and electronics enclosure, "standard" variant, IT rack, installation height 40 U, glazed door at the front, solid sheet steel rear wall.

Rack frame:
Pre-configured IT rack, comprising a torsionally rigid, welded and full symmetrical frame of rolled, 9-fold closed hollow profile, with punchin in a 25 mm pitch pattern.
Frame with integrated M6 blind rivet nuts, to enable fittings to be mounted without impairing the degree of protection. All profile edges are chamfered. Horizontal sections with integrated channel above the PU foam seal as protection for the seal.
Same profile on all sides, with two mounting levels accessible from inside and outside, for fast and space-saving interior installation.
Square holes on all sides to enable the use of cage nuts and metric screws up to M8.

Base:
Welded base frame with integrated reinforcement to enable direct boltin to the floor from inside the enclosure. Pre-configured base frame with closed, one-piece base module as blanking trim in the front trim position.
Further base modules or function elements can be selected as upgrades from the range of accessories. Basic enclosure already configured with pre-assembled, 100 mm VX base/plinth system. Base/plinth corner pieces and side trim, closed, pre-assembled.
Front and rear base/plinth trim, vented, supplied loose for later installation, tool-free assembly. This permits simple transport to the place of installation using a pallet truck or fork-lift.
Baying possible on all sides. Static load capacity up to 3,500 N.

Glazed aluminium front door (IP 55) with 3 mm single-pane safety glass (ESG) held in a frame of aluminium sections, vertical sections silver-grey anodised, horizontal sections painted, RAL 9005. With comfort handle for semi-cylinder (30/10) mm, with security lock 3524 E. Door with foamed-in seal, three hinges and four-point locking rod. Door hinge can be swapped from right to left, hinge pins with integrate door opening angle 240° for stand-alone enclosures, 105° with baying.
Two-piece, solid sheet steel vertically divided rear door (IP 20),

foamed-in PU seal.
Baying hinges with 180° opening angle for front and rear doors available separately via the range of accessories.

Roof plate:
Multi-part roof plate with cable entry on both sides via brush strips over the whole enclosure depth. The multi-part design permits removal of the roof plate with the cabling in place, which greatly simplifies late retrofitting or modification. Roof incorporating a concealed cut-out to accommodate a fan unit for active ventilation. To support passive ventilation, the cover plate can be raised on spacer pillars, if required.
Mounting levels:
Enclosure pre-configured with one 482.6 mm (19") - 40 U large swing frame with side trim panel, including two-point locking rod and security lock 3524 E, may be exchanged for semi-cylinder (30/10) mm, hinge opening angle 180°.
The total static load capacity of the swing frame is 3,500 N.
The swing frame may be positioned on a 25 mm pitch pattern in the enclosure depth.

Supply includes:
Practice-proven mounting accessories, such as spacers for optional raising of the cover plate, 4 levelling feet, 4 cable clamp rails, combi-rails comprising C-profile and hammer-head sections for cable clamping, for mounting on either the inner or outer mounting level, 10 metal cable shunting rings, 125x65 mm, accessories for 19" components comprising twelve 19" fasteners, 1 U contacting, and 25 hexagon socket screws, conductive, with washers for thread size M5.
Potential equalisation:
All panel parts with automatic potential equalisation or prepared for the attachment of earthing straps.
482.6 mm (19") assembly parts are supplied loose.
A potential equalisation kit is available as an accessory.

Side panels:
One-part screw-fastened side panels, variant (IP 55), mounted, are in the scope of supply. Optional internal latch available via the range of accessories.
Horizontally divided and vertically divided, hinged variant (IP 20) available via the range of accessories.

QR code:
Printed QR codes on all panel parts, the roof, doors and rating plate provide for the unambiguous marking of individual components, simplify access to relevant product information and documentation, and ensure the full traceability of single parts.

Material:
Enclosure frame, roof: Sheet steel 1.5 mm
Rear wall: Sheet steel 2.0 mm
Front door: Aluminium 1.5 mm, single-pane safety glass (ESG) 3.0 mm
482.6 mm (19") mounting angles: Sheet steel 2.0 mm

Surface finish (sheet steel):
Triple surface treatment for corrosion protection and resistance to mineral oil, lubricants, machining emulsions and solvents:
Nanoceramic coating, electrophoretic dipcoat priming, textured powder coating in RAL 7035/9005.

Protection classes:
Protection category according to IEC 60 529 (with mounted side panels in a bayed suite with seals):
IP 00 Protection category according to NEMA (with mounted side panels or in a bayed suite with seals):

Surface finish:
Panel parts, doors, interior installation, painted in RAL 7035/9005
Aluminium front door, vertical, aluminium, silver-grey anodised
Aluminium front door, horizontal, aluminium, painted in RAL 9005
Approvals:
UL2416 NWIN (NFPA70, NFPA75)
IEC/EN 60950 (CB Certificate and Report)
IEC/EN 62368 (CB Certificate and Report)
Dimensions (WHD): 800x2100x800 mm
Earthing measures in accordance with the risk assessment according to DIN EN 62368-1 are not required for VX IT cabinets, therefore an earthing accessory is not included in the scope of deliver
For increased EMC requirements a potential equalization set can be purchased via the accessories programme. (5302.027 and 5302.028)
Model No: VX IT 5307.157
Manufacturer: Rittal GmbH & Co. KG

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