Rittal – The System.

Faster – better – everywhere.



DK 5505.120

Network/server enclosure TS IT

State: 01/11/2026 (Source: www.rittal.com/com-en)

ENCLOSURES | POWER DISTRIBUTION | CLIMATE CONTROL | IT INFRASTRUCTURE | SOFTWARE & SERVICES

FRIEDHELM LOH GROUP

DK 5505.120 - Network/server enclosure TS IT with glazed door, with 482.6 mm (19") mounting angles

TS IT, sealed, for direct enclosure-specific climate control. 482.6 mm (19") interior installation with depth-variable 482.6 mm (19") mounting angles for a load capacity of up to 1,500 kg, available in a range of size variants.



Features

Model No.	DK 5505.120
Material	Sheet steel Aluminium Glazed door: Single-pane safety glass, 3 mm
Surface finish	Enclosure frame: Dipcoat-primed Interior installation: Dipcoat-primed Doors and roof: Dipcoat-primed, powder-coated
General colour	RAL 7035
Colour	Enclosure frame and panels: RAL 7035 Interior installation: RAL 9005

© Rittal 2026

Features

Supply includes	TS 8 enclosure frame with doors and roof plate Glazed aluminium door at the front, 180° hinges Lock front and rear: Comfort handle for profile half-cylinders and security lock 3524 E Two 482.6 mm (19") mounting sections front and rear, variably mounted on support strips with quick-release fasteners 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. Connection accessories for potential equalisation with earthing point (supplied loose) 12 x 482.6 mm (19") fastener, 1 U, conductive (supplied loose) 50 multi-tooth screws, conductive (supplied loose) IPPC pallet Roof plate, multi-piece, removable, with side cable entry in the depth and covered cut-out for fan mounting plate Sheet steel rear door, solid, vertically divided, 180° hinges
Dimensions	Width: 800 mm Height: 1,800 mm Depth: 800 mm
Units	38 U
Units	38 U
Free mounting space to the 482.6 mm (19") level, front/rear	147 mm / 105 mm
Distance between levels as delivered	545 mm
Design doors	solid
482.6 mm (19") level(s) version	Mounting angles, 482.6 mm (19")
Load capacity	15,000 N
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	94.9 kg

© Rittal 2026

Features

Gross weight	98 kg
Customs tariff number	94032080
ETIM 9	EC002499
ECLASS 8.0	27180207
Product description	TS IT, 19" mounting angles, glazed door, WHD: 800 x 1800 x 800 mm, 38 U

Approvals

Approvals	UL + C-UL (listed)
Certificates	Surface finish
Explanations	Declaration of conformity

Tender text

TS IT 5505.120
TS IT network server rack for rack climate control
IT rack for climate control. Installation height 38 U, glazed front door, divided sheet steel door at the rear, solid, multi-piece roof plate for side cable entry on both sides, open base frame, without side panels. With two 482.6 mm (19") mounting levels, front and rear, on depth stays.
482.6 mm (19") assembly parts and complete earthing kit supplied loose. Side panels, one-piece screw-fastened, or two-piece with quick-release fastener, security lock and optional internal latch, for easy one-man assembly, base mount, gland plates available from the accessories range.
Pre-configured IT rack consisting of torsionally stiff, welded symmetrical frame of rolled 16-fold vertical sections connected with two horizontal frames of rolled 9-fold sections with integral channel for accommodating the adjacent panel seal and protecting it against possible effect of aggressive media.
All frame sections, with integral system punchings on a 25 mm DIN pitch pattern, allow convenient interior installation by simple fitting and securing of equipment. All sections have chamfered edges. The vertical frame sections have two depth/width - recessed mounting levels each, which can individually be used for flexible attachment of the installation components.
Enclosures are bayable on all sides: on the left, right, front and rear, at the top or round corners.
Glazed front door made from 3 mm single-pane safety glass (ESG), framed in a frame of aluminium sections, with foamed-in seal,
four-point locking rod, comfort handle for semi-cylinder (30/10) mm, with security lock 3524.
Four hinges, with captive hinge pins, hinge opening angle with stand-alone siting 180°, door hinge may be swapped to opposite side without dismantling locking rods.

© Rittal 2026

Sheet steel rear door, vertically divided, for space-saving installation of the enclosures and easy access to the components. Doors with foamed-in seal.
Main door with four-point locking rod, comfort handle for semi-cylinder (30/10) mm, with security lock 3524 E. Adjacent door with additional internal swing lever handle and two-point locking rod. Main and adjacent door with four hinges, hinges with captive hinge pins, hinge opening angle with stand-alone siting on both sides 180°.
Multi-piece roof plate for side cable entry via brush strips across the entire enclosure depth. Roof plate for retrofitting, removable despite already made cable routing. Cut-out for accommodating a fan module already integrated and closed by a cover. For supporting passive ventilation it is possible to raise the cover by means of spacers.
Side panels are not included with the supply.
One-piece screw-fastened or two-piece variant, with quick-release fastener including security lock and optional internal latch available from the accessories range.
Open base frame, gland plates, function units may be retrofitted from the range of accessories. All screw-fastened panels have automatic potential equalisation and are prepared for attachment of earthing straps.
Pre-configured with two 482.6 mm (19") mounting levels, front and rear.
The static total load capacity of both mounting levels is 15,000 N.
A mounting level consists of universal mounting angles for server, network and electronic applications, infinitely depth-variable attached to depth stays.
The attachment of the mounting angles is flexible, toolless, via quick release fastener or screw-fastened as an alternative.
Mounting angles, front and rear, including additional pitch pattern of holes according to standard EIA 310 E.
All height units are labelled and numbered in the opposite direction. U labelling of both mounting

levels can be read from the front for easy one-man assembly.
All depth stays with integral pitch pattern for fast determination of the mounting distance and the remaining front free space (clearance).
Front mounting angles, prepared for toolless accommodation of cable routing aids and organisation of structured cabling in maximum packaging density or for equipment with a sensor strip for automatic identification of the installed components by means of Radio Frequency Identification (RFID).
Rear mounting angles prepared for accommodation of a Power Distribution Unit (PDU) in 1 U form factor on both sides for enclosure electrical power distribution, without waste of installation volume thanks to space-saving side mounting between mounting level and side panel in the Zero-U space.
Material: Sheet steel, aluminium
Surface finish: Panels, doors, interior installation, RAL 7035/9005
Approvals: UL, cUL
Dimensions (WxHxD): 800x1800x800 mm
Model No.: TS IT 5505.120
Manufacturer: Rittal GmbH & Co. KG

© Rittal 2026