

Technical Specification Sheet



20U 19" 450mm Wall-Mount Aptus Series Rack Cabinet

SKU: APT-20U450 · Brand: VATPAN · Wall-Mount Rack Cabinets

SPECIFICATIONS

U Height	20U
Width	550mm
Depth	450mm
Door Type	Glass

WHERE IT'S USED

Branch & Retail Network Points

Saves space by wall-mounting switches, routers and patch panels in areas with limited floor space.

CCTV Systems (DVR/NVR)

Securely houses recorders and network switches in one compact, lockable enclosure.

Small Office / Floor Distribution Rooms

Keeps in-building floor distribution points organized and accessible.

DESCRIPTION

VATPAN Aptus Series 20U 19" 450mm Wall-Mount Rack Cabinet

VATPAN Aptus Series 20U 19" 450mm Wall-Mount Rack Cabinet is a compact wall-mount rack cabinet solution designed to position network equipment such as switches, patch panels, modems, routers, DVR/NVR, PDUs and small UPS units in a secure, organized and professional manner.

Thanks to its lockable tempered-glass front door, adjustable 19-inch rack rails, openable side panels and a top panel suitable for fan mounting, it offers ideal use for offices, retail stores, camera security systems, home network infrastructure and low-voltage projects.

Key Features

- 20U 19" standard rack device compatibility
 - Ideal structure for compact network installations with a depth of 450 mm
 - Lockable 4 mm tempered-glass front door
 - Easy service access thanks to openable side panels
 - Adjustable galvanized 19-inch rack mounting rails
 - Bottom, top and rear cable entry areas
 - Structure suitable for optional dual fan mounting on the top panel
 - RAL 9005 black electrostatic powder-coated body
 - Professional wall-mountable network cabinet solution
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What Is a 20U 19" 450mm Wall-Mount Rack Cabinet?

A 20U 19" 450mm wall-mount rack cabinet is a rack enclosure that protects standard 19-inch network and low-voltage devices inside a metal cabinet mounted on the wall, providing organization, security and ventilation.

The "20U" designation indicates the cabinet's vertical device-mounting capacity, "19 inch" the international rack device standard, and "450 mm" the cabinet depth. These dimensions are suitable for the secure placement of compact devices such as switches, patch panels, modems, routers, firewalls, DVR/NVR units, PDUs and small UPS units.

Note: For rack cabinets with a depth of 450 mm, the cable connection allowance, the clearance behind the device and air circulation must be taken into account. For this reason, the maximum depth of devices placed inside the cabinet is generally recommended to be in the **300-350 mm range**.

What Is It Used For?

The VATPAN 20U 19" 450mm Wall-Mount Rack Cabinet gathers network devices into a single, secure cabinet instead of leaving them exposed, scattered or unmanaged. This reduces cable clutter, limits unauthorized access to devices, simplifies maintenance work and provides a professional infrastructure appearance.

It is used to organize network equipment in offices, retail stores, camera security systems, home network infrastructures, schools, hotels and technical areas.

Application Areas

- Office network systems
 - Retail and store infrastructures
 - Camera security systems
 - DVR / NVR recording device installations
 - Home network and smart-home infrastructures
 - Hotel, school and branch network systems
 - Telecom and low-voltage applications
 - Fiber optic termination points
 - Small server / network rooms
 - Warehouse, showroom and technical spaces
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Compatible Devices

This cabinet is suitable for mounting the following devices:

- 19-inch switch
- Patch panel
- Modem / router
- Firewall appliance
- PoE switch

- DVR / NVR camera recording device
- PDU socket unit
- Small UPS power supply
- Fiber optic termination box
- Media converter
- Telephone junction box
- Cable management accessories

Note: A depth of 450 mm is not intended for full-size server equipment; it is more suitable for network, security, telecom and low-voltage equipment.

Technical Specifications

GENERAL INFORMATION

Feature	Value
Product Type	Wall-Mount Rack Cabinet
Series	VATPAN Aptus Series
Shelf Standard	19 inch
Capacity	20U

DIMENSIONS

Feature	Value
Width	550 mm
Height	970 mm
Depth	450 mm

BODY AND STRUCTURE

Feature	Value
Front Door	4 mm tempered glass, lockable
Side Panels	Openable
Rack Rails	Adjustable 19-inch galvanized rails
Material	Galvanized / CRC steel sheet structure
Color	RAL 9005 black

VENTILATION AND CABLE ENTRY

Feature	Value
Ventilation	Passive ventilation + fan mounting area

Feature	Value
Cable Entry	Bottom, top and rear cable entries

USAGE

Feature	Value
Usage Area	Indoor
Mounting Type	Wall-mounted

Installation and Maintenance

The product must be mounted on a solid surface using suitable wall-mounting hardware. The load-bearing capacity of the wall to be used for mounting must be assessed based on the total weight of the equipment to be placed inside the cabinet.

Excessive cable density that would obstruct air circulation inside the cabinet should be avoided. Heavy equipment should be placed at the lowest levels possible. The product surface should be cleaned with a dry, soft cloth. Chemical or abrasive cleaning products must not be used.

This product is designed and manufactured by VATPAN under engineering and production processes that reference European standards. Visit vatpan.com for current technical documentation and certificates.