

## 19" RACK ACCESSORIES

Technical Guide of functions, compatibility,  
and recommended configuration



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This technical appendix explains the criteria for mechanical and functional compatibility between rack cabinets and their accessories. The references and images shown may not reflect products currently available or may have been modified since publication.

For the most up-to-date commercial information, please consult our website and current catalogs, or contact our sales team.

# Overview of our 19" racks and compatible accessories

The proper selection of accessories for 19" racks not only ensures correct equipment installation, but also optimizes ventilation, mobility, security, and cable management within each infrastructure. Correct installation of these components is equally important; for this reason, all our accessories include the necessary mounting hardware.

This technical appendix provides a detailed overview of the compatibility of our racks with the various components and replacement parts, helping you make informed decisions to maximize the efficiency and reliability of each installation.

Ref.	Dimensions (mm)	Height (RU)	Type of mounting	Max. load (kg)	Door and lock types	Compatible with			
						Fans	Wheels	Plinth	Cable organizer
533105/06	600×450	6+2	Wall and floor	60	Tempered glass hinged front door with basic lock. Removable steel side doors with optional lock (Ref. 533173)	Individual fan 195m <sup>3</sup> /h (Ref. 533174)	Not applicable	Not applicable	All 19" horizontal cable organizers <sup>(2)</sup>
533107/08	600×450	8+2							
533112/13	600×450	13+2							
533114/15	600×450	15+2							
533111/16	600×600	15+2	Wall and floor	60	Tempered glass hinged front door with basic lock. Removable steel side doors with optional lock (Ref. 533173)	Individual fan 195m <sup>3</sup> /h (Ref. 533174)	Not applicable	Not applicable	All 19" horizontal cable organizers <sup>(2)</sup>
533119/18	600×600	18	Floor	1000 <sup>(1)</sup>	Tempered glass hinged front door with professional lock. Steel hinged rear door with professional lock. Removable steel side doors with optional lock (Ref. 533173)	Tray with 2 fans 390m <sup>3</sup> /h (Ref. 533175)	Wheel kit (Ref. 533171) Supplied with leveling feet	-	All 19" horizontal cable organizers <sup>(2)</sup>
533121/22	600×600	22							
533126/27	600×600	27							
533131/32	600×600	32							
533136/37	600×600	37	Floor	1000 <sup>(1)</sup>	Tempered glass hinged front door with professional lock. Steel hinged rear door with professional lock. Removable steel side doors with optional lock (Ref. 533173)	Tray with 4 fans 780m <sup>3</sup> /h (Ref. 533176)	Wheel kit (Ref. 533171) Supplied with leveling feet	-	All 19" horizontal cable organizers <sup>(2)</sup>
533138/39	600×800	37							
533141/42	600×800	42							
533128	800×800	27	Floor	1000 <sup>(1)</sup>	Tempered glass hinged front door with professional lock. Perforated steel hinged rear door with professional lock. Removable steel side doors with optional lock (Ref. 533173)	Tray with 4 fans 780m <sup>3</sup> /h (Ref. 533176)	Wheel kit (Ref. 533171) Supplied with leveling feet	Plinth with 800x800 mm base (Ref. 533401)	All 19" horizontal cable organizers <sup>(2)</sup> 27RU vertical cable organizer with 6 rings (Ref. 533166)
533143/44	800×800	42			Tempered glass hinged front door with professional lock. Steel hinged rear door with professional lock. Removable steel side doors with optional lock (Ref. 533173)				All 19" horizontal cable organizers <sup>(2)</sup>
533140/45	800×800	42			Perforated steel double front door with professional lock. Perforated steel hinged back door with professional lock. Removable steel side doors with optional lock (Ref. 533173)				42RU vertical cable organizer with 9 rings (Ref. 533167)
533148/46	800×1000	42	Floor	1000 <sup>(1)</sup>	Perforated steel double front door with professional lock. Perforated steel hinged back door with professional lock. Removable steel side doors with optional lock (Ref. 533173)	Tray with 4 fans 780m <sup>3</sup> /h (Ref. 533176)	Wheel kit (Ref. 533171) Supplied with leveling feet	Plinth with 800x1000 mm base (Ref. 533402)	All 19" horizontal cable organizers <sup>(2)</sup>
533149/47	800×1000	42			Tempered glass hinged front door with professional lock. Steel hinged rear door with professional lock. Removable steel side doors with optional lock (Ref. 533173)				42RU vertical cable organizer with 9 rings (Ref. 533167)

<sup>(1)</sup> Direct installation on the floor or with plinth (without legs or wheels). <sup>(2)</sup> Complete listing on page 10.

# Door and lock types

## Doors

Doors are one of the most important security elements when choosing a rack. Their opening type and material significantly impact both the level of security and the installation experience. Our typical configurations include:

- **Front hinged tempered glass door:** A fully transparent front door that allows you to monitor the status of devices without opening the rack.
- **Front double hinged perforated steel door:** A perforated steel door with a honeycomb structure that improves passive ventilation and provides high mechanical strength while reducing the overall weight of the rack. The double door consists of two narrower panels (compared to a standard single-leaf door), reducing the opening radius and making installation easier in tight spaces.
- **Rear hinged steel door:** A robust steel rear door that provides access to the back of the rack without removing equipment, simplifying installation and ongoing maintenance.
- **Rear single-leaf perforated steel door:** A single-leaf perforated steel door that, in addition to providing rear access, reduces weight and improves passive ventilation.
- **Removable side steel doors:** Removable doors with push-button releases that allow side access to the interior, facilitating assembly and maintenance tasks.

## Locks

Locks are a key security complement for rack doors. We offer the following types:

- **Basic lock** (included in wall-mount or floor racks): A functional solution providing a necessary deterrent effect to enhance rack security.
- **Professional lock** (included in floor racks): Advanced, robust protection designed to prevent unauthorized access in high-demand environments.
- **Specific side door lock** (optional, Ref. 533173): Additional protection to reinforce access control on the sides, improving rack security. Compatible with all our rack models.

533173



Side door lock



**Summary of door and lock type combinations:**

Ref.	Dimensions (mm)	Type of mounting	Rack door types			Lock type		
			Front	Rear	Sides	Front	Rear	Sides
533105/06	600×450	Wall and floor	Hinged tempered glass	Not applicable	Steel removable	Basic	Not applicable	Optional (Ref. 533173)
533107/08	600×450							
533112/13	600×450							
533114/15	600×450							
533111/16	600×600	Wall and floor	Hinged tempered glass	Not applicable	Steel removable	Basic	Not applicable	Optional (Ref. 533173)
533119/18	600×600	Floor	Hinged tempered glass	Steel hinged	Steel removable	Professional	Professional	Optional (Ref. 533173)
533121/22	600×600							
533126/27	600×600							
533131/32	600×600							
533136/37	600×600							
533138/39	600×800	Floor	Hinged tempered glass	Steel hinged	Steel removable	Professional	Professional	Optional (Ref. 533173)
533141/42	600×800							
533128	800×800	Floor	Hinged tempered glass	Hinged perforated steel	Steel removable	Professional	Professional	Optional (Ref. 533173)
533143/44	800×800			Steel hinged				
533140/45	800×800			Hinged, double perforated steel				
533148/46	800×1000	Floor	Hinged, double perforated steel	Hinged perforated steel	Steel removable	Professional	Professional	Optional (Ref. 533173)
533149/47	800×1000		Hinged tempered glass	Steel hinged				

# Replacement keys for locks

The locks installed in our racks come with a set of two keys. In case of damage or loss, replacement keys are available depending on the lock model:

- **Ref. 533177: Replacement keys for the basic lock and side door lock:** These keys operate the basic lock included in the front door of wall-mounted racks. Additionally, they can be used as replacements for the optional side door lock (not included, Ref. 533173).
- **Ref. 533178: Replacement keys for the professional lock:** These keys operate the professional locks included in floor racks with a front tempered glass door. Currently, replacement keys are not available for floor racks with a front double perforated steel door.
- **Side door lock keys.** The keys supplied with the optional side door lock (Ref. 533173) can also serve as replacements for the basic lock.

These keys can also operate the professional locks on 600×600 mm and 600×800 mm racks, though they may turn with some resistance. For this reason, we recommend using them only in emergencies, as repeated use could wear down the lock.

Summary of replacement keys:

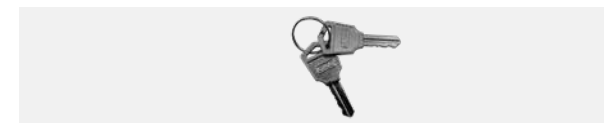
Ref.	Dimensions (mm)	Type of mounting	Replacement keys		
			Front lock	Rear lock	Side locks
533105/06	600×450	Wall and floor	Basic lock keys (Ref. 533177) Keys included in the side lock (Optional: Ref. 533173)	Not applicable	Basic lock keys (Ref. 533177) Keys included with the side door lock (Optional: Ref. 533173)
533107/08	600×450				
533112/13	600×450				
533114/15	600×450				
533111/16	600×600	Wall and floor	Basic lock keys (Ref. 533177) Keys included in the side lock (Optional: Ref. 533173)	Not applicable	
533119/18	600×600	Floor	Professional lock keys (Ref. 533178)	Professional lock keys (Ref. 533178)	
533121/22	600×600				
533126/27	600×600				
533131/32	600×600				
533136/37	600×600	Floor	Professional lock keys (Ref. 533178)	Professional lock keys (Ref. 533178)	
533138/39	600×800				
533141/42	600×800				
533128	800×800	Floor	Professional lock keys (Ref. 533178)	Professional lock keys (Ref. 533178)	
533143/44	800×800				
533140/45	800×800				
533148/46	800×1000	Floor	Not available	Not available	
533149/47	800×1000		Professional lock keys (Ref. 533178)	Professional lock keys (Ref. 533178)	

533177

533178



Basic lock keys



Professional lock keys

# Compatible fans and thermostat

Installing active ventilation in a rack ensures proper air circulation, prevents overheating, and helps maintain a stable internal temperature. This optimizes equipment performance, reduces the risk of failure, and extends the service life of devices, ensuring reliable and continuous operation of the installation.

Fans are mounted on a screw-mounted tray at the top of the rack, where they extract the hot air generated by the equipment and expel it through the upper vents. In this way, the fans actively circulate air, drawing fresh air in through the bottom of the rack. A dual configuration is also possible by installing additional fans at the bottom of the rack in reverse orientation. This setup not only forces air out of the top but also actively draws air in from the bottom.

For racks with a depth of 1000 mm, fans must be installed at the bottom of the rack so that airflow occurs in the opposite direction to the standard configuration described above.

These fans operate in two modes:

- **Continuous mode:** Ventilation remains active at all times.
- **Thermostat-controlled mode:** Ventilation is activated via a thermostat (Ref. 533005) that monitors the internal temperature of the rack, preventing it from exceeding the preset limit.

The following fan models are available:

Fan Ref.	Fan characteristics	Rack Ref.	Rack dimensions (mm)
533174	Individual fan 195m <sup>3</sup> /h	533105/06 533107/08 533112/13 533114/15	600×450
		533111/16	600×600
533175	Tray with 2 fans 390m <sup>3</sup> /h	533119/18 533121/22 533126/27 533131/32 533136/37	600×600
533176	Tray with 4 fans 780m <sup>3</sup> /h	533138/39 533141/42	600×800
		533128 533143/44 533140/45	800×800
		533148/46 533149/47	800×1000

533174



533175



533176



533005



Thermostat NO rack 19" 0-60°C

## Caster or leveling foot installation

Racks designed for floor installation come standard with leveling feet, but these can be replaced with a caster kit (Ref. 533171) or a combination of both systems.

Both installation methods offer distinct advantages:

- **Caster installation:** This option provides excellent flexibility, allowing the rack to be moved easily during installation or maintenance operations. Mobility also simplifies access to the back of the equipment, making cabling tasks easier.
- **Combined leveling feet and casters option:** This involves installing casters alongside the leveling feet, combining the benefits of casters with additional advantages:

- **Level adjustment:** Leveling feet ensure stability on uneven floors, but they can be retracted to transfer support to the casters, allowing the rack to be moved smoothly.

- **Load distribution:** With both systems installed, and leveling feet deployed to the same level as the casters, weight is distributed across 8 points instead of 4. This is particularly useful on less rigid flooring, such as raised floors or vinyl surfaces.

- **Rack alignment:** When installing multiple racks from different manufacturers, the feet allow fine-tuning of the new rack's height to align it with existing racks, ensuring a uniform installation without sacrificing mobility.

It is recommended to install the caster kit before mounting internal components, as the fully assembled weight would make this task significantly more difficult.

Support system and maximum load:

- Supported directly on the floor or plinth: up to 1000 kg.
- On feet only: maximum load 600 kg.
- Replacing feet with casters: maximum load 960 kg.
- With feet and casters combined: maximum load depends on factors such as foot height adjustment, weight distribution across supports, and floor leveling.



Compatible with racks designed exclusively for floor installation:

Rack Ref.	Rack dimensions (mm)
533119/18 533121/22 533126/27 533131/32 533136/37	600×600
533138/39 533141/42	600×800
533128 533143/44 533140/45	800×800
533148/46 533149/47	800×1000

# Compatible plinths

A rack plinth is a mechanical structure designed to raise the cabinet off the floor (typically by 80 mm), facilitating maintenance and improving stability. This additional space allows cables to be neatly routed through the rear opening, supporting organized installations and enhancing overall aesthetics.

Our plinths are compatible with various racks, depending on their dimensions:

Plinth Ref.	Plinth dimensions (mm)	Rack Ref.	Rack dimensions(mm)
533401	800×800	533128 533143/44 533140/45	800×800
533402	800×1000	533148/46 533149/47	800×1000

533401



533402



# Horizontal and vertical cable organizers

Integrating cable organizers into a rack allows for organized cabling, optimizing workflow during both installation and maintenance. In addition to improving accessibility to components, it contributes to a cleaner, more professional overall presentation. Cable organizers are available in two main configurations depending on the cabling direction: horizontal and vertical.

## Horizontal cable organizers

Horizontal organizers guide cables along the front or rear of the rack, providing a tidy path that simplifies both installation and maintenance.

All of our 19" racks are compatible with 19" standard horizontal cable organizers.

Since all 19" racks share the same usable width of 482.6 mm between profiles, compatibility with any 19" cable organizer is ensured. Height is also critical, as horizontal organizers must align with rack units (RU), where 1RU equals 44.45 mm.

This ensures precise integration and optimal use of available space.

The following are our horizontal cable organizers:

533158



With 5 rings (80 mm)

533159



With 1 hole with brush strip

533160



With cover



## Vertical cable organizers

Vertical cable organizers guide cables along the sides of the rack, providing an organized path from top to bottom and optimizing cable distribution across different heights.

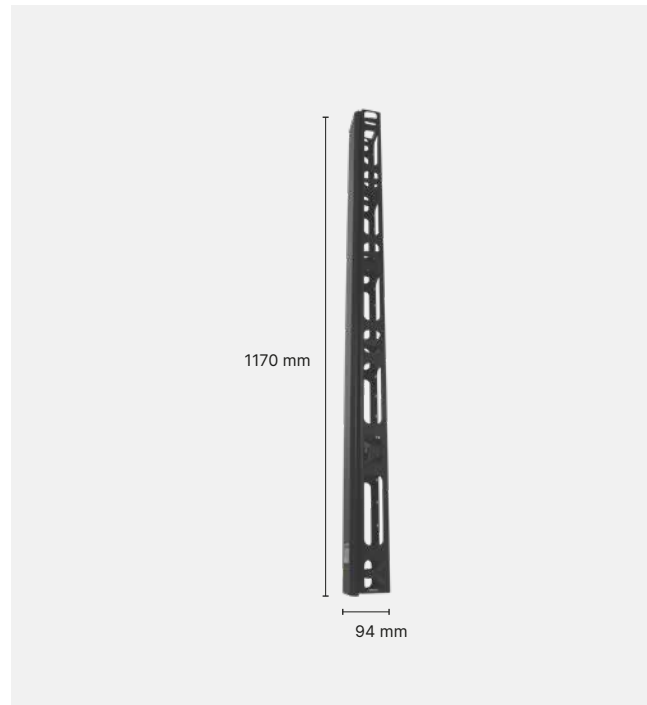
Our 800 mm-wide racks are compatible with vertical cable organizers, which feature rear and side knockouts for flexible installation and efficient cabling. Constructed from steel and designed with these knockouts, the vertical organizers ensure adequate improve heat dissipation from cables. This is particularly important in installations with PoE data cables, which can heat up due to current transmission, ensuring safe and stable system performance.

Vertical cable organizers include front covers, providing a cleaner, more professional appearance, protecting cables from abrasion and dust, and contributing to a uniform rack aesthetic without compromising ventilation or maintenance access.

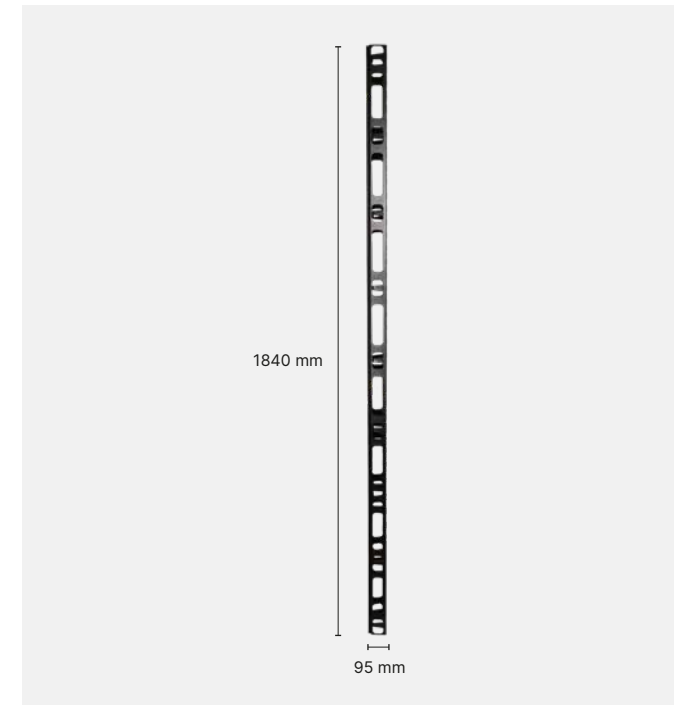
Vertical cable organizers for 800 mm-wide racks are selected according to their height in rack units (RU):

Ref.	Characteristics	Rack Ref.	Rack dimensions (mm)
533166	27RU with 6 rings	533128	800×800
533167	42RU with 9 rings	533143/44 533140/45	
		533148/46 533149/47	800×1000

533166



533167



# Switch installation

The following switches can be easily installed in a 19" rack, providing benefits such as better space organization, improved equipment ventilation, and enhanced protection against impacts or unauthorized handling.

Installation compatibility is determined by the physical dimensions of the switch. The most critical measurement is the switch's depth, to which an additional clearance should be added to allow for proper cable connection and routing.

Switches				Rack depth (mm)			
Type	Ref.	Ports	Depth (mm)	450	600	800	1000
Manageable	769140	8 x GbE (PoE+) + 2 x SFP (1Gbps)	202	•	•	•	•
	769141	24 x GbE (PoE+) + 4 x Combo GbE/SFP	280	-	•	•	•
	769144	24 x GbE + 4 x SFP (1Gbps)	210	•	•	•	•
	769145	48 x GbE + 6 x SFP+ (10Gbps)	280	-	•	•	•
	769146	48 x GbE (PoE+) + 6 x SFP+ (10Gbps)	300	-	•	•	•
	769147	8 x GbE + 2 x SFP (1Gbps)	180	•	•	•	•
	769148	48 x GbE + 6 x SFP+ (10Gbps)	350	-	•	•	•
	769149	8 x GbE + 24 x SFP (1Gbps) + 6 x SFP+ (10Gbps)	350	-	•	•	•
	769151	24xGbE (PoE+) + 4xSFP+ (10Gbps)	209	•	•	•	•
	769152	8 x Combo GbE/SFP 16 x SFP (1Gbps) + 4 x SFP+ (10Gbps)	280	-	•	•	•
	769153	48 x SFP+ (10Gbps) + 2 x QSFP+ (40Gbps) + 4 x QSFP28 (100Gbps)	440	-	•	•	•
Not manageable	768110	5 x GbE	88	•	•	•	•
	768111	8 x GbE	100	•	•	•	•
	768112	8 x GbE (PoE+) + 2 x GbE	118	•	•	•	•
	768115	24 x GbE + 2 x SFP (1Gbps)	204	•	•	•	•
	768116	24 x GbE (PoE+) + 2 x SFP (1Gbps)	280	•	•	•	•
				Rack Ref.			
				533105/06	533111/16	533128	533148/46
				533107/08	533119/18	533138/39	533149/47
				533112/13	533121/22	533141/42	
				533114/15	533126/27	533140/45	
					533131/32	533143/44	
					533136/37		



