

## Article Overview

Cable tray brackets provide a secure and organized way to route and support cables in computer rooms, ensuring safety, accessibility, and efficient cable management.

## Types of Cable Tray Brackets

1. **Under-Desk or Under-Surface Brackets** These brackets allow cable trays to be mounted beneath desks or workstations, keeping cables off the floor and out of sight. Examples include galvanized steel mesh trays with mounting brackets that support up to 5kg per tray, with the option to add more brackets for heavier loads . They are suitable for computer rooms with multiple devices, monitors, and power strips.

2. **Wall-Mount Brackets** Wall-mounted cable trays are ideal for routing cables along walls or vertical panels. They provide flexibility in positioning and can support both power and data cables . These are often used in server rooms or areas where floor space is limited.

3. **Hinged or Flip-Down Brackets** Some cable management kits, like the Steelcase Universal Cable Management Kit, feature hinged trays that flip down for easy access to cords and snap shut to maintain a clean appearance . These are useful in environments where frequent access to cables is required.

## Materials and Construction

- o **Galvanized Steel Mesh:** Durable, fire-resistant, and suitable for heavy-duty cable loads .
- o **Powder-Coated Steel:** Provides a sturdy, long-lasting solution with corrosion resistance .
- o **ABS Plastic Covers:** Often used for tray covers to secure cables while maintaining fire safety .

## Load Capacity and Sizing

- o Standard under-desk trays can support 5kg per tray with two mounting brackets, expandable by adding more brackets for heavier loads .
- o Tray dimensions vary, e.g., 6cm height x 11.5cm width, with lengths from 60cm to 180cm, allowing customization based on cable volume .
- o Clearance under desks should be at least 12cm to accommodate the tray and brackets .

## Installation Considerations

- o **Mounting Options:** Screws, self-adhesive tape, or combination methods depending on surface type and load requirements .
- o **Accessibility:** Hinged or flip-down trays allow easy access for maintenance or adding new cables .
- o **Cable Organization:** Use routing holes, straps, or covers to prevent tangling and maintain a neat layout .



# Cable tray mounting bracket for computer room

o Fire Safety: Choose trays and covers made from fire-resistant materials, especially in server or computer rooms .

## Practical Tips

- o Plan the cable path before installation to minimize bends and avoid interference with airflow.
- o Separate power and data cables to reduce electromagnetic interference.
- o Consider modular trays or kits that allow expansion as the number of devices grows .
- o Label cables for easier identification and maintenance. Using cable tray brackets effectively in a computer room ensures organized, safe, and accessible cable management, reducing clutter, preventing hazards, and improving the overall efficiency of the workspace.

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Cable tray brackets and supports can be used for cable baskets or trunking. They are often used for suspending trays from the

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A functional cable tray system consists of various clamping, supporting, and splicing accessories in order to achieve the best

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A cable tray system is used to support insulated electrical cables used for power distribution, control, and communication. Cable

Under Desk Cable Management Tray - Office/Standing Desk Cable Tray Organizer - Desk/Table Mount Holder for Cords/Wire/Power

Category: Cable Tray Mounting Hardware Trapeze Supports (50PK) Trapeze Style Side Supports, Attaches To The Side Of The

- o For hanging cable tray directly to wall
- o Requires Mounting Anchor Bolts
- o Sturdy design for heavy load weights
- o Professional



# Cable tray mounting bracket for computer room

This bracket allows you to mount straight sections of cable tray to the wall or floor

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