



iPatch® M4200i Intelligent Universal Modular Panel Instructions

General

The **SYSTIMAX® iPatch® M4200i** intelligent universal modular panel is a 24-port patch panel that accommodates copper M-Series UTP outlets and mounts in a 19-inch (483mm) rack with universal hole spacing. The M4200i panel is a **SYSTIMAX** approved product and can be used in an **iPatch System** for EIA-T568A or EIA- T568B wiring applications.



Systimax® M4200i Panel (2 Panels Shown)

Ordering information is listed below:

Material ID	Part No.	Description
760073866	iP-m4200i-24	iPatch M4200i 24-port modular panel without modules

How to Contact Us

- To find out more about **CommScope®** products, visit us on the web at <http://www.commscope.com/>
- For technical assistance:
 - Within the United States, contact your local account representative or technical support at 1-800-344-0223. Outside the United States, contact your local account representative or Authorized Business Partner.
 - Within the United States, report any missing/damaged parts or any other issues to CommScope Customer Claims at 1-866-539-2795. Outside the United States, contact your local account representative or Authorized Business Partner.

WARNING – Important Safety Instructions

When using this product, the following basic safety precautions should be followed to reduce the risk of fire, electric shock, and injury to persons:

1. Never install communications wiring in wet locations unless it is designed for wet locations.
2. Never install this product during a lightning storm. There is a remote risk of electric shock.
3. Never touch uninsulated communication wiring or terminals unless the communication circuit has been disconnected at the network interface.
4. **Caution:** All wiring that connects to this equipment must meet applicable local and national building codes and network wiring standards for communication cable.

This product is covered by one or more of the following U.S. patents or their foreign equivalents:
6285293 and 6522737

Specifications

Wire Termination

Wire Size:

22-24 AWG (0.64 - 0.51 mm) Solid Copper

22-24 AWG (0.64 - 0.51 mm) Seven Stranded Copper

Insulation Size:

0.042 inch maximum DOD

Insulation Types:

Polyethylene, Polypropylene and FEP

IDC Reterminations:

20 minimum

Modular Jack Mating Cycles:

750 minimum

Environmental Data

Temperature Range:

-40°F (-40°C) to 158°F (70°C) (Storage)

23°F (-5°C) to 122°F (50°C) (Operational)

Humidity:

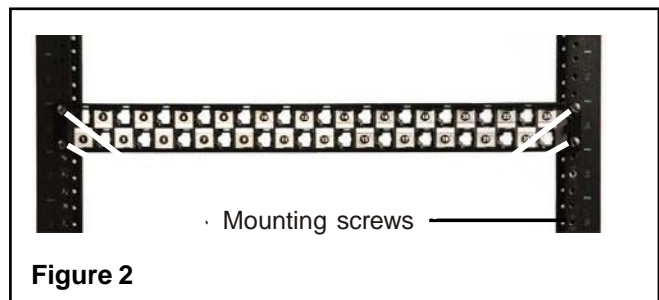
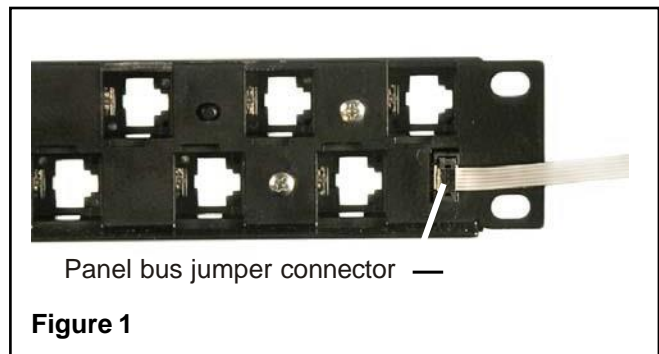
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Step 1 – Install Panels

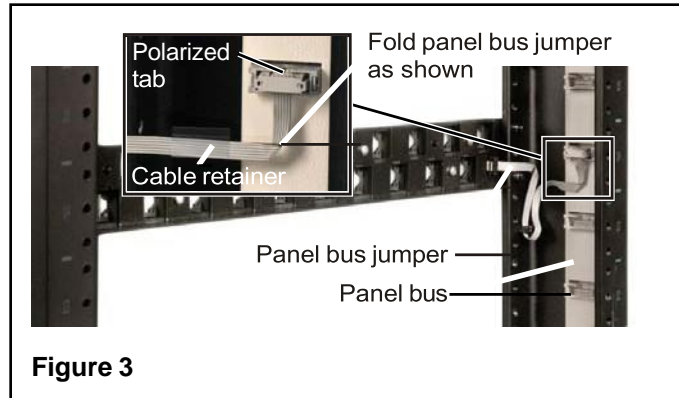
1. Make sure that the panel bus jumpers are firmly connected to the panels (Figure 1).
2. Working from the bottom of the rack towards the top, install each panel on the rack using the four screws (with built-in star washers) provided (Figure 2). Be careful not to pinch the panel bus jumpers between the panels and the rack.

Note: When mounting the panel in a cabinet, use cage nuts to secure the bottom pair of mounting screws to the cabinet rails. Secure the top pair of mounting screws using the standoffs provided.



3. Remove the adhesive backing from the cable retainers on the panel bus jumpers.
4. Connect the panel bus connector on each jumper to the nearest connector on the panel bus, folding the jumper as shown (Figure 3). Press the cable retainers against the rack.

Note: The connector is keyed. The polarized tab on the jumper connector fits into the opening in the header connector on the panel bus.



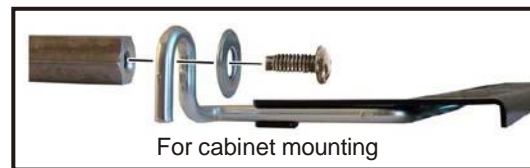
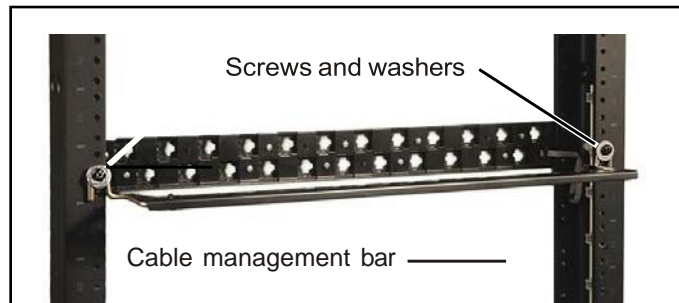
Step 2 – Install Cable Management Bar

Install the cable management bar on the back of the rack behind each panel:

1. Position the bar behind each panel at the middle pair of holes on the back of the rack as shown (Figure 4).

Note: For panels in a cabinet, position the bar on the standoffs behind each panel as shown (Figure 5).

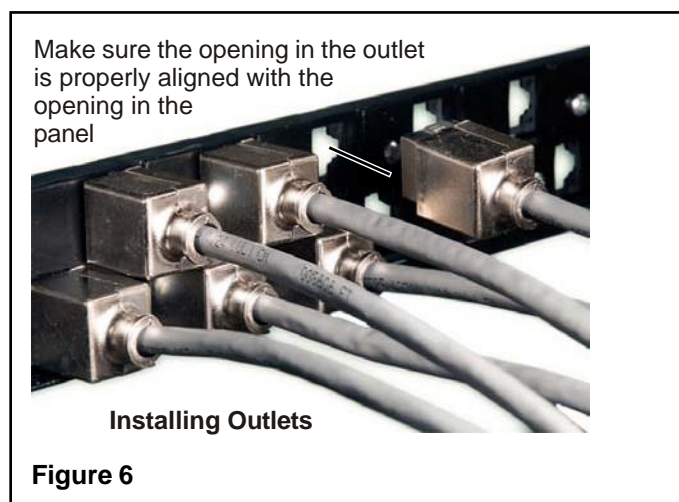
2. Use the two screws and washers provided to mount the bar. When tightening the screws, apply light downward pressure on each end of the bar to ensure the “U” shaped ends seat completely under the washer and screw.



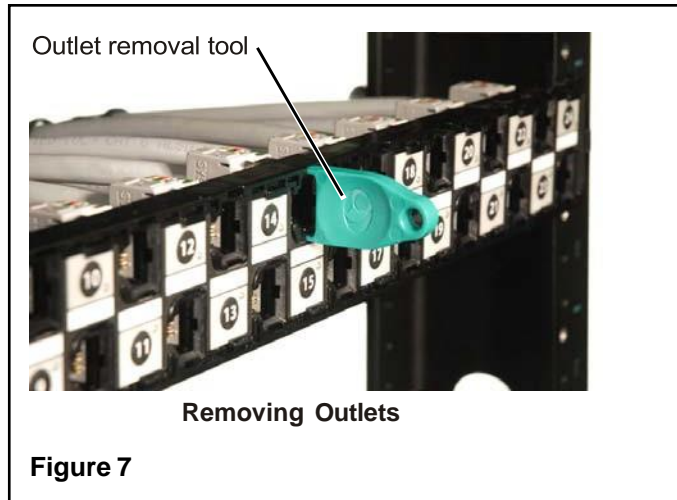
Step 3 – Cable Panels

1. Terminate each cable with an M-Series UTP outlet, following the instructions provided with the individual outlets.
2. Snap the outlets into position on the back of the panels, aligning the opening on the outlet with the opening on the panel (Figure 6).

Note: You should hear an audible click when the outlet snaps into position. Gently pull on the outlet to make sure it is securely seated.



Important: If you need to remove an outlet from a panel, insert the prongs of the outlet removal tool (Figure 7) into the slots above and below the outlet on the front of the panel and press firmly. Do not attempt to use a screwdriver or an insertion cap to remove an outlet.



Step 3 – Secure Cables to Cable Management Bar

3. After cabling each panel, secure the cables to the cable management bar with the cable ties provided, using one cable tie for each pair of cables as shown (Figure 8).

