



HUBBELL  
**iFrame**

## Vertical Patch Panel

Improves  
Airflow.

Reduces Cable  
Congestion.

Structured  
Solution.



- Double door provides open access to cable, conceals large cable channel.
- Data and KVM ports at each rack position:
  - Minimizes patch cord length.
  - Reduces cable bulk to be managed and stowed.
  - Eliminates unnecessary airflow impedance.
- Utility modules accommodate fiber, KVM and other media and applications.
- Data Modules locate redundant RJ45 network connections at each server location.
- Modular Construction provides migration path and scalability.
- 25-pair cable assemblies drastically decrease cable bulk beneath raised floor and improve airflow.

### SPECIFICATIONS

- ◆ Material: 16 ga CRS.
- ◆ Finish: Durable metallic silver powder coat.
- ◆ Compatible with Dell and Hubbell server cabinets.
- ◆ 1GbE error free verified 25 pair modules.
- ◆ Field configurable modules.
- ◆ Center opening doors provide maximum access to cable channel.
- ◆ Provisions for both data ports and utility ports.
- ◆ Compatible with Hubbell Label System.
- ◆ VPPC6 provides 10GbE transmission out to 55 meters.

### APPROVALS

- NAVIA™ compliant.
- UL Listed.
- Patent Pending.

The growing trend towards using x86 servers in scale-up deployments has presented demanding cable management and data / KVM connection challenges. The resolution of these challenges has a direct impact on the cooling and operation of the servers and storage equipment in question.

The **iFRAME®** Vertical Patch Panel (VPP) is a structured solution for connecting high-density deployment servers. By locating data ports at each rack position, the **iFRAME®** VPP allows short jumpers to be used to connect to servers, eliminating hundreds of feet of extra cable. The VPP accommodates primary and secondary data connections PLUS two utility ports for fiber, KVM or tertiary data connections for up to 40 servers.

The **iFRAME®** VPP has a clean appearance, concealing cabling entering the cabinet behind center opening doors. Inside the channel, ample space for cable and abundant tie down points organize cable routing.

The **iFRAME®** VPP is part of the **iFRAME®** Network Hardware Management System which includes the **iFRAME®** Column System for support of switchgear, the **iFRAME®** server cabinet, and the **iFRAME®** POWER PORT power distribution system. The entire **iFRAME®** Network Hardware Management System is NAVIA™ compliant.

### INSTALLATION

- ① Select Vertical Patch Panel.
- ② Select Data Modules
- ③ Select Utility Modules if desired.
- ④ See page Full Line Catalog page B47 for 25-pair Cable Assemblies and Patch Panels.

## Vertical Patch Panels ①

**NEW**



### Order Information

Use Hubbell's **iFRAME®** Vertical Patch Panel in the rear of server cabinets to provide an efficient and structured connection to servers and storage equipment. Order connection modules separately.

Delivery:	Catalog No. <b>VPD</b>	Catalog No. <b>VPH</b>
	1 Upper section	1 70" section
	1 Lower section	20 VELCRO® ONE-WRAP® cable ties, 8"
	20 VELCRO® ONE-WRAP® cable ties, 8"	1 Kit installation hardware
	1 Kit installation hardware	

Description	No. of Data Module Locations	No. of Utility Module Locations	Catalog No.
<b>iFRAME®</b> Vertical Patch Panel for DELL 4210 Server Cabinet	13	34	<b>VPD*</b>
<b>iFRAME®</b> Vertical Patch Panel for Hubbell <b>iFRAME®</b> Server Cabinet	15	42	<b>VPH</b>






NOTE: Due to the recessed upright construction of the **iFRAME®** Server Cabinet, the VPH offers more module locations, unobstructed entry/egress of cable, higher cable capacity, easier attachment, and cable channel not interrupted with center bar found in DELL cabinet.

\* Also HP compatible.

VELCRO® and ONE-WRAP® are registered trademarks of Velcro Industries B.V.

## Data Modules ②

### Order Information

Data Module	# Ports/module	Panel Use	Catalog No.
 1GbE Data Module (25-pair)	6 port module	Fits into Vertical Patch Panel Data Module opening to terminate 25 pair 1GbE cable assembly	<b>VPP1G</b>
 Blank Covers (10-pack)	0	Covers unused Data Module Openings	<b>VPMB</b>
 <b>INFINESTATION™</b> Module Bezel	8	Each bezel (VPMI) accepts 4 two-port modules (IM2K1GY), which snap into VPMI for data applications where individual jacks are desired (color coding, 10GbE).	<b>VPMI</b>
 <b>INFINESTATION™</b> Module, 2-port, gray	2		<b>IM2K1GY</b>
 <b>COMING SOON</b> 10GbE (55m) Module, 6-port	6	Fits into Vertical Patch Panel data module opening for use with Cat 6 UTP (10GbE - TSB-155)	<b>VPPC6</b>

## Utility Modules ③

### Order Information

Utility Module	Catalog No.	Utility Module	Catalog No.
Angled, 1-port, gray Use for small form factor fiber (storage equipment) tertiary data or KVM over UTP port.	<b>IM1KA15GY</b>	15-pin F/Screw Terminal, Office white	<b>IM15ST1OW</b>
Angled, 2-port, gray Use for tertiary data or KVM over UTP port.	<b>IM2KA15GY</b>	15-pin F/F Gender Changer, Office white	<b>IM15DIN1OW</b>
Angled, SC Duplex, gray Use for link SC fiber link to storage equipment.	<b>IM1SCA15GY</b>	<b>NEXTSPEED®</b> Ascent 10GbE Jack	<b>HXJ6AGY</b>
		Blank, Angled, gray Use to cover utility port where knock-out has been removed.	<b>IMB15GY</b>
		<b>NOTE:</b> Order jacks or other keystone fiber or A/V modules separately (see Full Line Catalog pages B4 through B13).	

④ See Full Line Catalog page B47 for 19" rack mount panels and 25-pair cable assemblies for connection to switch gear.

**NOTE:** See Full Line Catalog for HPW's extensive offering of 10GbE connection hardware.



### Hubbell Premise Wiring

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### Worldwide Locations

Hubbell Premise Wiring, Asia Pacific	852-2836-7131	Fax: 852-2836-7132
Hubbell Canada Inc.	905-839-1138	Fax: 905-839-9108
Hubbell Premise Wiring, Central America	506-309-4158	Fax: 506-260-1616
Hubbell Premise Wiring, China	8621-6309-0119	Fax: 8621-6309-0122
Hubbell Premise Wiring, Colombia	571-245-8940	Fax: 571-340-0925
Hubbell Premise Wiring, Europe	44-01283 500500	Fax: 44-01283 500400
Hubbell Int'l. Inc., Korea Branch	82-2-(0)2607-1363	Fax: 82-2-(0)2603-7386

Hubbell Premise Wiring, Latin America	305-408-4501	Fax: 305-408-8201
Hubbell de Mexico, S.A. de C.V.	(5255) 9151-9999	Fax: (5255) 9151-9989
Hubbell Premise Wiring, Middle East	971-4-393-4192	Fax: 971-4-393-4194
Hubbell-Taian Co., Ltd., Taiwan	886-2-2522-1862	Fax: 886-2-2522-1872
Hubbell Premise Wiring, Turkey	90-216-313-5016	Fax: 90-216-414-8148
Hubbell Premise Wiring, Venezuela	58-416-680-7453	Fax: 58-281-274-7900

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