V800™ Cabinet

Siemon's V800 cabinets provide a robust, cost-effective enclosure solution that offers valuable Zero-U space on each side of the equipment rails for cable management, PDU mounting or connectivity on both the front and rear of the cabinet. The V800 cabinet is ideal for high-density data center environments, enabling increased cabling and equipment density while providing excellent accessibility and thermal efficiency. All of these features are integrated into a full-featured modular enclosure that is equally effective as a standalone network and server cabinet or in a multi-unit bayed configuration, offering a simple, scalable expansion path in any data center.

Lightweight Stability
Design provides an extremely stable, high-capacity cabinet without excessive weight

Zero-U Modularity
Half-height Zero-U panels can be mounted in any of the four quadrants (top left, bottom left, top right and bottom right) of both the front and rear of the cabinet

Full Accessibility Doors
Quick release, field reversible single piece front and split rear doors
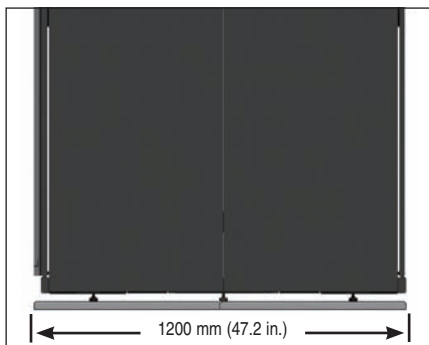
Integrated Side Panel Grounding
Spring loaded grounding clips eliminate need for dedicated grounding conductors

High-Flow Doors
Contoured high density perforated door provides up to 71% perforation exceeding major IT equipment air flow requirements

Fully Adjustable Equipment Rails
Can be readily configured to support any range of equipment depths

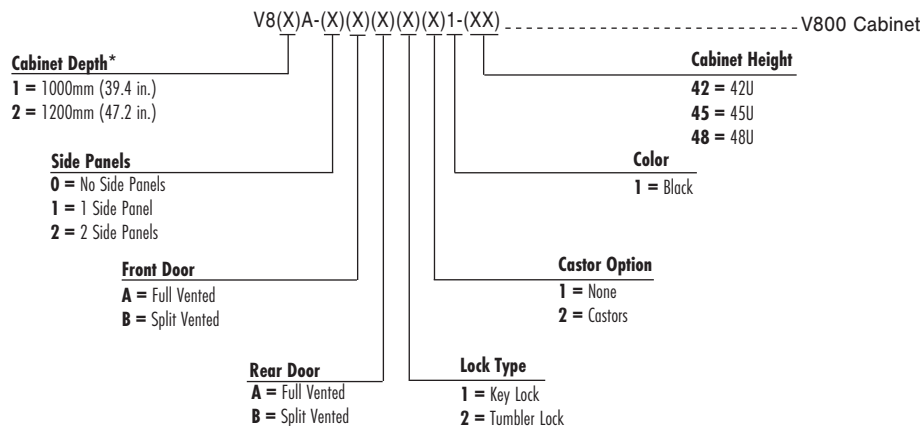1200 mm (47.2 in.)

The V82A cabinet is exactly 1200mm (47.2 in.) deep, allowing for full access to adjacent tiles immediately in front or in back of placed cabinets and provides full 1.2m (3.9 ft.) aisle spacing as specified within ISO/IEC 14763-2 and EN 50600-2-4
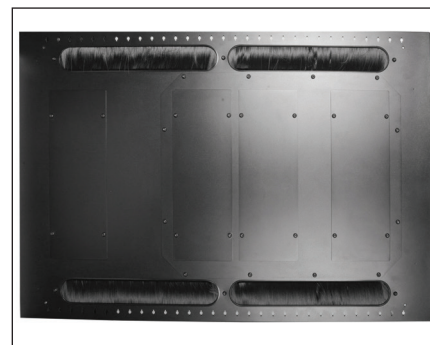
The cabinet lid includes four integrated brush guards for cables to enter the cabinet without compromising thermal integrity

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V800™ Cabinet Accessories

Ordering Information

V8(X)A-(X)(X)(X)(X)(X)1-(XX) - V800 Cabinet

Cabinet Depth*
1 = 1000mm (39.4 in.)
2 = 1200mm (47.2 in.)

Side Panels
0 = No Side Panels
1 = 1 Side Panel
2 = 2 Side Panels

Front Door
A = Full Vented
B = Split Vented

Rear Door
A = Full Vented
B = Split Vented

Cabinet Height
42 = 42U
45 = 45U
48 = 48U

Color
1 = Black

Castor Option
1 = None
2 = Castors

Lock Type
1 = Key Lock
2 = Tumbler Lock

Includes: 4 equipment rails, 4 levelling feet, 50 M6 cage nuts, 50 combo M6 screws with cup washers, 1 cage nut removal tool, 1 combo torx/ philips head screwdriver, 13/14mm wrench, door/side panel keys and 2 stabilizing brackets

V800 CABINET PRODUCT SPECIFICATIONS

Height*	42U: 2013mm (79.3 in.) 45U: 2146mm (84.5 in.) 48U: 2280mm (89.8 in.)
Width	800mm (31.5 in.)
Depth - External (Door-to-Door)	V81A: 1000mm (39.4 in.) V82A: 1200mm (47.2 in.)
Depth - Usable (Rail to Rail Max.)	V81A: 806mm (31.7 in.) V82A: 1006mm (39.6 in.)
Weight**	42U V81A: 111kg/ V82A: 126kg (277.8 lbs.) 45U V81A: 116kg/ V82A: 131kg (288.8 lbs.) 48U V81A: 121kg/ V82A: 136kg (299.8 lbs.)
Load Rating	Static: 1000kg (2204.6 lbs.) Dynamic: 714kg (1574.1 lbs.)
Base Type	Open
Color	Graphite Black (RAL 9011)
% Door Perforation	71%
U Space Identification	Yes (bottom-to-top)
Lid Cable Access Openings	V81A: 3 large; (4) 63 x 406mm (2.5 x 16.0 in.) integrated brush guards V82A: 4 large; (4) 63 x 406mm (2.5 x 16.0 in.) integrated brush guards
Material	CRS of varying thickness
Finish	Textured Powder Coat
Standard Compliance	UL 60950-1 Ed2.0, EIA/ECA-310-E, IP20

 * Nominal height with stabilizing brackets
** Does not include packaging

V800 CABLE MANAGEMENT CAPACITY CHART

Products	Cable Diameter in.(mm)											
	0.13 (3.30)	0.15 (3.81)	0.17 (4.32)	0.19 (4.83)	0.21 (5.33)	0.23 (5.84)	0.25 (6.35)	0.27 (6.86)	0.29 (7.37)	0.31 (7.87)	0.33 (8.38)	0.35 (8.89)
V8A-VPC4-1-(XX)	427	321	250	200	163	136	115	99	85	75	66	58
V8A-VPC6-1-(XX)	628	472	367	294	240	200	170	145	126	110	97	86
V8A-VPC145-1-(XX)	255	191	149	119	97	81	69	58	51	44	39	35

Note: Manager cable capacities reflec a calculated fill rate of 40% which is intended to reflect 100% fill during actual use due to side cable entry

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V800™ Cabinet Zero-U Accessory Ordering Information

V8A-VPC4-1-(XX).............. Half-height Zero-U vertical patching channel with 4 in. (102mm) fingers and cover, black

V8A-VPC6-1-(XX).............. Half-height Zero-U vertical patching channel with 6 in. (152mm) fingers and cover, black

V8A-VPC145-1-(XX) .... Half-height Zero-U vertical patching channel with D-ring managers, black

V8A-BRSH-1-(XX) .... Half-height Zero-U vertical brush guard panel, black

V8A-VPP2U-1-(XX)............ Half-height Zero-U vertical patch panel, 2U, black

Mounts 2U of standard 19 in. panels in vertical orientation. Includes (8) M6 cage nuts

V8A-PDU-F1-1-(XX) .... Full-height Zero-U vertical PDU panel, black

Full length brackets support tool-less mounting of one (1) vertical rack mount PDU with a maximum width of 86.4mm (3.4 in.) and 1.24m (4.1 ft.), 1.56m (5.1 ft.) or 1.65m (5.4 ft.) O.C. mounting buttons.

V8A-BLNK-1-(XX).............. Half-height Zero-U Vertical Blanking Panel, black

Used to block unused Zero-U spaces to prevent re-circulation of air.

Use (XX) to specify cabinet height: 42 = 42U, 45 = 45U, 48 = 48U

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Cabinet Accessory Ordering Information
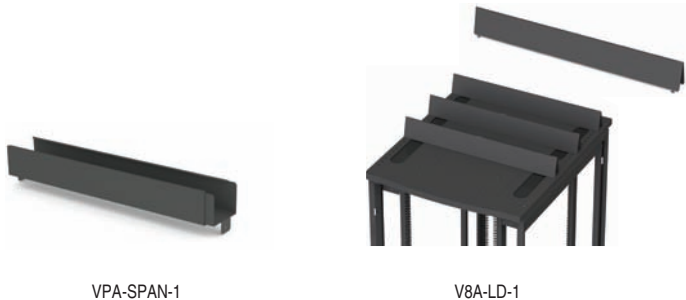
Ordering Information

Part Number	Description
VPA-SPAN-1	Adjustable depth cable trough, extends from 555mm (21.9 in.) to 911mm (35.9 in.), 81mm (3.2 in.) wide; 65mm (2.6 in.) high Used to route cables between the front and rear of cabinets. Mounts between vertical patching channels mounted to front and rear of cabinets, black
V8A-LD-1	V800 lid divider panel, set of 2, 107mm (4.2 in.) high Used to create cable pathways on top of bayed cabinets, black
V-TRAY-100-1-(XX)	100mm (3.9 in.) V600/V800 vertical cable tray, set of 2, black
V-TRAY-150-1-(XX)	150mm (5.9 in.) V600/V800 vertical cable tray, set of 2, black
V-TRAY-300-1-(XX)	300mm (11.8 in.) V600/V800 vertical cable tray, set of 2, black

These trays can be easily mounted at any location along the front-to-rear cabinet rails of V600 and V800 cabinets and feature keyholes for PDU mounting, t-shaped cutouts for cable tie attachment cable management and 9.5mm (0.375 in.) cage nut openings for cable management accessory mounting such as Siemon's VP-143 ¼-turn cable managers.

Use (XX) to specify cabinet height: 42 = 42U, 45 = 45U, 48 = 48U
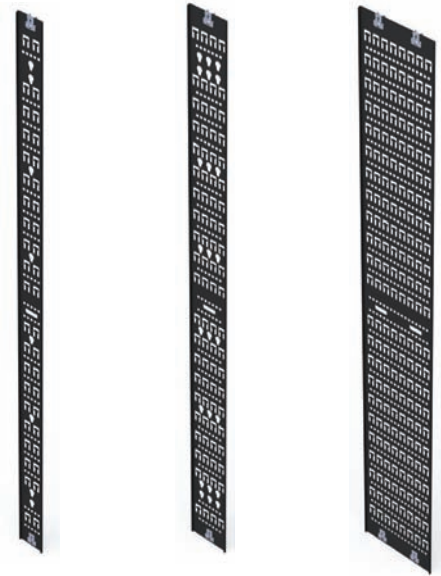
V-TRAY-100-1-(XX)   V-TRAY-150-1-(XX)   V-TRAY-300-1-(XX)


VPA-SPAN-1

V8A-LD-1

V8A-DRA-1-(XX)

V8A-DRB-1-(XX)

Ordering Information

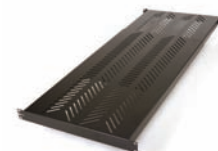| Part Number	Description
V8A-DRA-1-(XX)	V800 full vented door, black
V8A-DRB-1-(XX)	V800 split vented doors, set of 2, black
V8A-DRC-1-(XX)	V800 split solid doors, set of 2, black
V1A-S-1-(XX)	V600/V800 1000mm (39.4 in.) split side panels, set of 2, black
V2A-S-1-(XX)	V600/V800 1200mm (47.2 in.) split side panels, set of 2, black
V8A-R-1-(XX)	V800 equipment mounting rail, set of 2, black
V-SHV1-01-1U	4-Post, adjustable shelf, vented, 559-787mm (22- 31 in.), 1U, black
V-SHV2-01-1U	4-Post, adjustable shelf, vented, 787-1016mm (31- 40 in.), 1U, black

Use (XX) to specify cabinet height: 42 = 42U, 45 = 45U, 48 = 48U
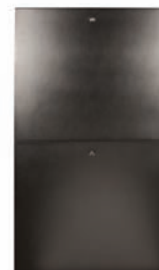
V1A-S-1-(XX)

V8A-R-1-(XX)

V-SHV1-01-1U

Cabinet Accessory Ordering Information

Part Number	Description
VP-DUCT1-1*.....................	Adjustable Height Vertical Exhaust Duct, 516-923mm (20-36 in.), black
VP-DUCT2-1*.....................	Adjustable Height Vertical Exhaust Duct, 913-1320mm (36-52 in.), black

Part Number	Description
VP-FAN..............................	Top-Mount Cooling Fan Panel, 3 Fans x 110CFM, 120VAC w/NEMA 5-15P plug, UL Listed
VP-FAN-220	Top-Mount Cooling Fan Panel , 3 Fans x 110CFM, 220VAC w/C13 plug, UL Listed

Part Number	Description
VP-T3.................................	Brush Guard, Large For large center top panel cable openings

Part Number	Description
V-W-1	V600/V800 Casters (set of four), black
CN-M6-50...........................	M6 Cage Nuts, Bag of 50

Part Number	Description
VA-VPA-BAY-1....................	VersaPOD-to-V600/V800 Baying Kit, Secures (1) VersaPOD cabinet to (1) V600/V800 cabinet, black
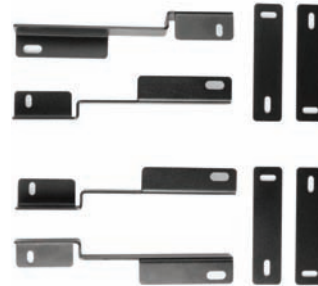
Part Number	Description
VP-GRD	Grounding Kit, Includes ground bar, ground wire, mounting hardware and accessories (capacity to support all required grounding connections for a single cabinet)

* Vertical exhaust ducts are compatible with 1200mm deep cabinets only. Solid doors should be specified for cabinets using exhaust ducts.

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Cable Management Accessory Ordering Information

Part Number   **Description**

HCM-4-(X)U........................ RouteIT™ 19 in. Horizontal Cable Manager
                         with 4 in. Fingers

HCM-6-(X)U........................ RouteIT 19 in. Horizontal Cable Manager
                         with 6 in. Fingers

Use (X) to specify height: 1 = 1U, 2 = 2U, 4 = 4U

Part Number   **Description**

PNL-TBLNK010-1S........... 19 in. Snapfit Thermal Blanking Panel, 1U,
                         Pkg of 10

PNL-TBLNK100-1S........... 19 in. Snapfit Thermal Blanking Panel, 1U,
                         Pkg of 100

Part Number   **Description**

PNL-BRSH-1 .... 19 in. Brush Guard Panel, 1U, black

Part Number   **Description**

VP-SPL................................¼-Turn Fiber Management Spool, Bag of 5,
                         Can be installed in Vertical Patching Channels
                         with Fingers

Part Number   **Description**

VP-143 .... ¼-turn Hook and Loop Cable Managers
                         88.9x44.5mm (3.50x1.75 in.)
                         Can be installed in Vertical PDU/Cable
                         Management Brackets

Part Number   **Description**

VP-VCM.............................. ¼-turn Hook and Loop Cable Managers,
                         Box of 10
                         Can be installed in Vertical Patching Channels
                         with Fingers

SS_V800_S 4/20

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