



ServerMax

“To Protect & Maximize the Performance of High Value Technologic Investments.”

- Secure housing for all EIA-310 compliant active equipments
- Impressive Loading Capacity
- Efficient Active / Passive Ventilation

19" Free-Standing Server Cabinet for Mission Critical IT Room applications.

SIZE RANGE

26 to 47U Height,
600, 780 mm Width,
1000 to 1200mm Depth options

HIGHLIGHTS

SECURE HOUSING FOR ALL EIA-310 COMPLIANT ACTIVE EQUIPMENTS

- L Profile Mounting Rails:
Strong Structure, U number marking, Square Holes in full length, Adjustable
- 3-Point, Swing Handle Door Locking Mechanism:
High security for unauthorized access
- Tilt-Protection Bars:
Maximum security during maintenance
- Strong protection against physical damage



IMPRESSIVE LOADING CAPACITY

Casting Alloy Corner Parts providing;

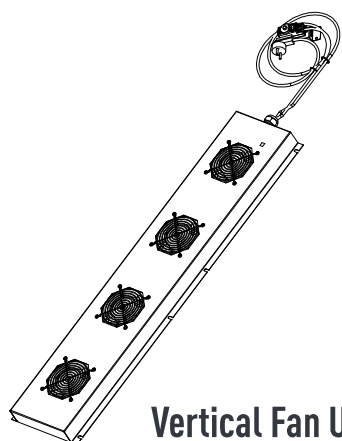
- 1000 kg Load Carrying Capacity
- Useful & high internal volume
- 100 kg Carrying Heavy Duty Shelves (Optional Accessory)
- Casters + Leveling Feet as a Standard
- Optional Floor fixing, Plinth & Baying Kits

EFFICIENT ACTIVE / PASSIVE VENTILATION

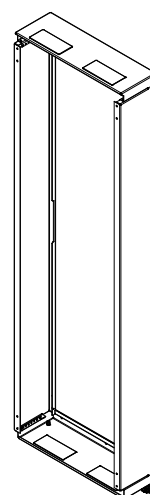
- 63% Perforated, 215 Degrees Opening, Swappable Doors (80% Option available):
Curved Single front door for cabling flexibility and Aesthetics
Double Rear doors for easy handling
- Lockable, Removable Side Panels for improved security. (Vertically divided for critical ventilation and easy access. Side Panel Posts also suitable to house Vertical PDU and cables.)
- Removable Bottom parts
- Reliable Fan tray options:
Equipped with up to 6 x Fans, On/Off button, fuse, analog or digital thermostat & wired mesh fences.

ServerMax Size Range

Part Number	Product definition (mm)	U size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with casters (mm)
SRV26U60	26U 600x1000	26	600	1000	740	1179	1291	1338
SRV36U60	36U 600x1000	36	600	1000	740	1623	1735	1782
SRV42U60	42U 600x1000	42	600	1000	740	1890	2002	2049
SRV47U60	47U 600x1000	47	600	1000	740	2112	2224	2271
SRV26U80	26U 780x1000	26	780	1000	740	1175	1309	1389
SRV36U80	36U 780x1000	36	780	1000	740	1620	1754	1834
SRV42U80	42U 780x1000	42	780	1000	740	1890	2002	2049
SRV47U80	47U 780x1000	47	780	1000	740	2112	2224	2271



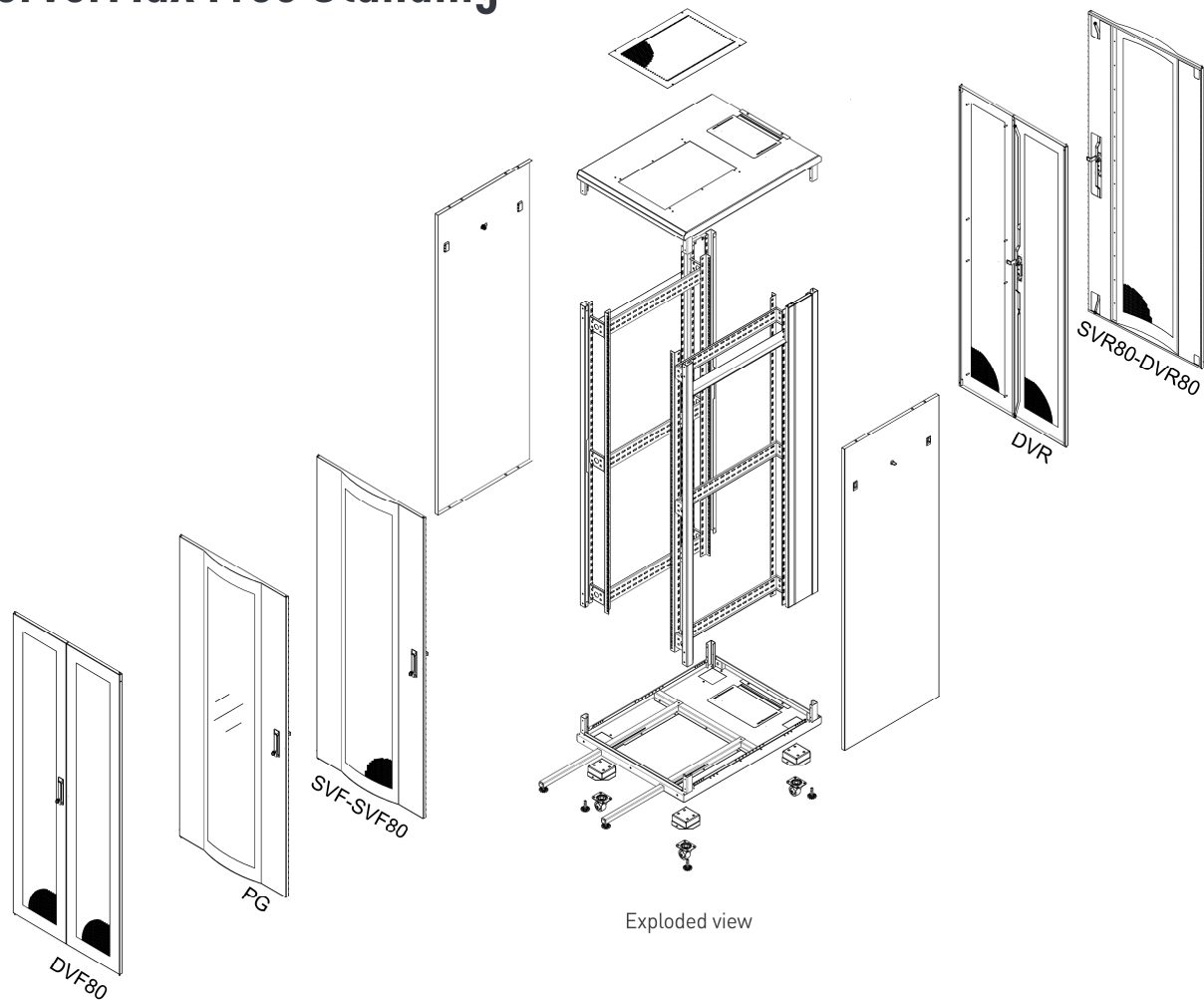
Vertical Fan Unit



Extension Unit



ServerMax Free Standing

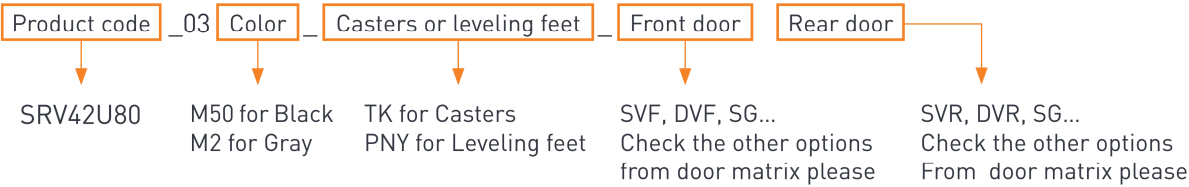


ServerMax Door Matrix

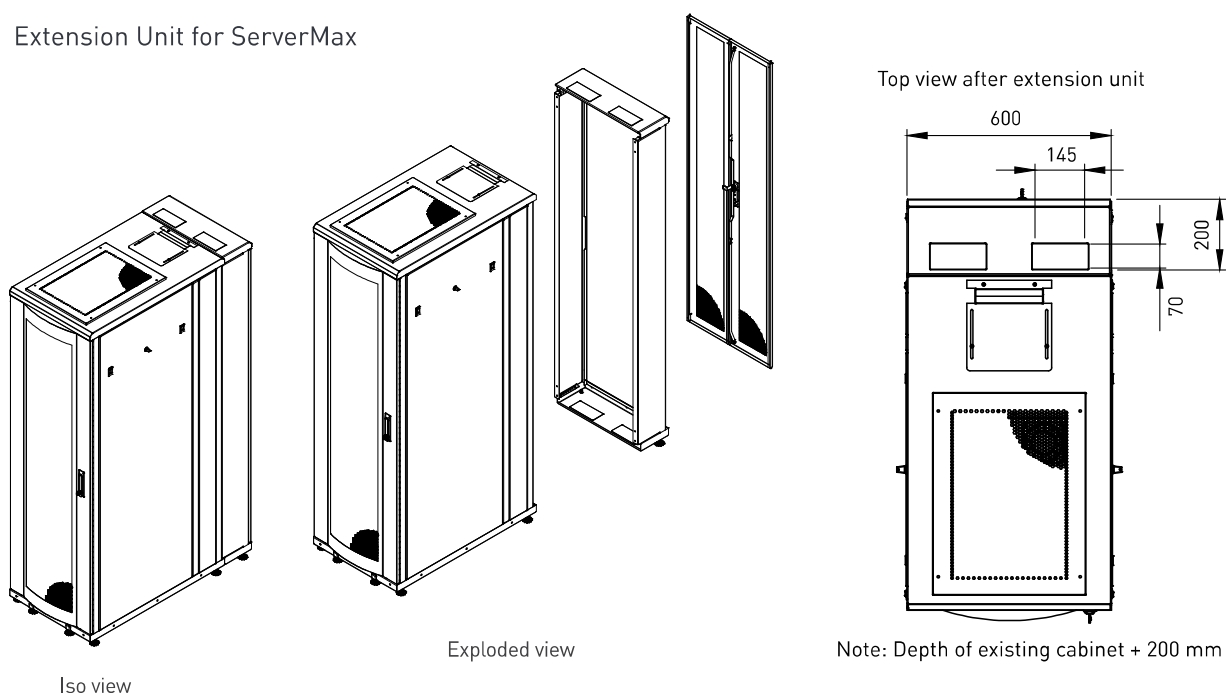
Door Code	Description	W
FRONT		
PG	Single, Curved Frame Plexi-Glass Front Door, single point locking	Optional
SVF	Single Vented Front Door, 63% perforated, single point locking	Standard
SVF80	Single Vented Front Door, 80% perforated, single point locking	Optional
DVF80	Double Vented Front Door, 80% perforated, three point locking	Optional
REAR		
DVR	Double Vented Rear Door, 63% perforated, three point locking	Standard
SVR80	Single Vented Rear Door, 80% perforated, single point locking	Optional
DVR80	Double Vented Rear Door, 80% perforated, three point locking	Optional

Marked are also Default Config.

Example: SRV42U80_03M2_PNY_DVF80DVR80



Extension Unit for ServerMax



Special Accessories for ServerMax

Part Number	Product definition	WxDxH (mm)	W=600 mm D=1000 mm	W=800 mm D=1000 mm
Extension Unit D=600mm D=200mm Suitable for D=600mm. ServerMax Cabinets				
SRV26UEXT620		600x200x1309	X	
SRV36UEXT620	36U Extension unit D=200mm. Suitable for ServerMAX W=600mm. Cabinets	600x200x1754	X	
SRV42UEXT620	42U Extension unit D=200mm. Suitable for ServerMAX W=600mm. Cabinets	600x200x2021	X	
SRV47UEXT620	47U Extension unit D=200mm. Suitable for ServerMAX W=600mm. Cabinets	600x200x2244	X	
47U Extension unit D=200mm. Suitable for ServerMAX W=800mm. Cabinets				
SRV42UEXT820	42U Extension unit D=200mm. Suitable for ServerMAX W=800mm. Cabinets	780x200x2021		X
SRV47UEXT820	47U Extension unit D=200mm. Suitable for ServerMAX W=800mm. Cabinets	780x200x2244		X
Vertical Fan Unit for 600x1000 ServerMAX				
M44264F	26U Rear door fan unit 4 fans + thermostat	200x50x1039	X	
M44364F	36U Rear door fan unit 4 fans + thermostat	200x50x1484	X	
M44426F	42U Rear door fan unit 6 fans + thermostat	200x50x1750	X	
M44476F	47U Rear door fan unit 6 fans + thermostat	200x50x1973	X	
Vertical Fan Unit for 800x1000 ServerMAX				
M44426F8	42U Rear door fan unit 6 fans + thermostat	258x50x1750		X
M44476F8	47U Rear door fan unit 6 fans + thermostat	258x50x1973		X

ServerMax Free Standing

TESTS AND CERTIFICATIONS

Environment

EN61587-1/4.2, IEC60068-2-1, IEC60068-2-2, IEC60068-2-30, IEC60917 and IEC60297

Industrial environment

EN61587-1/4.3, IEC60068-2-42, IEC60068-2-43 and IEC60068-2-49, IEC60068-2-1, IEC60917 and IEC60297

Static mechanical structure load test

EN61587-1 / 5.2.1, IEC60917 and IEC60297

Static mechanical structure stability

EN61587-1 / 5.2.2, IEC60917 and IEC60297

Dynamic load, vibration and mechanical stroke

EN61587-1 / 5.3.1, EN61587-1 / 5.3.3, IEC60917, IEC60297, IEC62208

Grounding continuity

EN61587-1 / 6.2, IEC60917 and IEC60297

Fire and flame resistance

EN61587-1 / 6.3, IEC60917 and IEC60297

Corrosion

ISO9227 and ASTM B 117-85, IEC60917 and IEC60297

IP protection degree

IP20 accordingly EN61587-1 / 6.4, IEC60529, IEC60917 and IEC60297

Transportation

ETS300019-1-2 Class2.3

Storage

ETS300019-1-1 Class1.2

Security

EN60950_LVD

PURCHASED PRODUCT CERTIFICATION

Sheet steel

DIN EN 10130 – 99 Ereğli DC- 01 6112, 7122, RoHS

Electrostatic powder coating

ISO 9001, ISO 2178, ISO 2813, ISO 6272, ISO 8130-5, ISO 8130-3, RoHS

Fan

ISO 9001, CE (89/336/EEC EMC, 73/23/EEC LVD), RoHS

Glass

ISO 9001, EN 12150 – 1: 2000 tempered and secure

Fixings

DIN 7985, DIN 965, DIN 7981, DIN 934, DIN 985, DIN 933, RoHS

Casters

TS EN 12530, TS EN 12532, RoHS

Lock

DIN 1743, DIN 53571, RoHS

KEY FEATURES

Main profile (framework) has an aesthetic structure which increases mechanical resistance, folded at an angle of 90 degrees and consisting of 4 bends for each profile. In total; 16 folds provide framework stability. Additionally, 2 piece vertical side panel divider profile provides additional resistance each with a 4 fold design; total of 8 fold additional support. In total ServerMax main profile framework consists of a 24 fold engineering design. Manufactured and tested to provide axial (x, y, z) resistance that meets EN 61587-1 / 5.2.1 and 5.2.2, and external impact resistance that meets EN 61587-1 / 5.3.3.

Bottom and upper cases have a structure to increase the resistance and strength of the cabinet by monoblock bended, welded and profile-interlocking design. Profiles are manufactured to interlock bottom and upper cases with screws. The bottom case providing cable access is fitted with a sliding blanking access plate to prevent dust.

A rubber edge on the cable access plate and sliding structure, it is possible to fix the cables and allows cables to be placed into the cabinet without any damage.

Additional there are pre-punched knock outs for air distribution delivered from raised floor.

Rear door in standard configuration is a double opening door which is removable and lockable. Integral locking is a 3 point locking system.

Rear doors can be opened up to 215 degrees, are removable and lockable with handle type locking unit.

Side panels have a structure that can be opened and removed with slam latch and key. They are lockable and removable. Side panels consist of a divider profile which creates 2 pieces side panels on each side. Original functional side panel is lockable and removable as mentioned above; the smaller side panel is fixed from inner side with screws. If additional ventilation is needed this panel can be replaced with a slotted / perforated one.

Within this engineering construction, the original functional side panel becomes easy to carry while the divider profile provides better resistancy.

Front doors are single opening, monoblock, welded, curved, %63 perforated in standard. Integral locking as 3 point locking system. For options please see the related diagrams and technical charts in page 26.

Front door can be opened up to 215 degrees, removable and lockable with handle type locking unit. Vented top panel housing with a dedicated space for ventilation, the fan module system allows easy installation of max. 6 fans from top.

19"(inch) mounting angles (2ea. in front and 2ea. in rear) are part of cabinet interior configuration and adjustable in depth.

Baying is possible for side by side applications without side panels. Levelling feet and integrated caster group are standard in shipping configuration.

The cabinet meets EN 61587-1, IEC 60917, IEC 60297 standards, RoHS compliancy, EAC and TSE certified.

Cabinets are manufactured in our factory which has ISO 9001: 2008 Quality Assurance System and our responsibility for environment with ISO 14001:2004 Environmental Management System.

Custom number

85380000 / 85381000 / 853710990019

Packs of (ea.)

1

Shipping structure

Assembled

Mounting surface

Stand alone

Load carrying capacity (kg.)

1000 kg.

Certification on product

TSE, EAC

Surface finish

Electrostatic powder coated c/with surface treatment , 80 +/- 5 micron paint thickness and tested according to IEC 60068-2-1,2-2, 2-30,2-42, 2-43, 2-49, 2-11

ServerMax Free Standing

STANDARD PRODUCT

Standard colour

Black: RAL 9005, Gray: RAL 7035

Baying

Possible with baying kit for side by side applications without side panels

IP protection standard

IP20

FRONT DOOR

Single opening, monoblock, welded, curved, %63 perforated

Front door construction

Monoblock curved, welded construction

Front door lock

Handle type, 3 point locking

Hinge system

Spring loaded

Door opening angle and swapping

215 degree

SIDE PANEL

Solid metal, 1 mm. Left and right (2ea.)

Construction

Lockable, removable c/with slam latches and lock

Lock

Barrel type lock unit, single point + slam latch (2ea)

REAR DOOR

Solid metal, 1 mm

Rear door construction

Double door opening, %63 perforated, lockable, removable

Rear door lock

Handled type lock unit, 3 point

Hinge system

Spring loaded

Door opening angle and swapping

215 degree

FRAMEWORK

Top and bottom base units

Solid Metal 2 mm

Top and bottom base units construction

Completely welded corner socket system

Uprights

Solid metal, 2 mm

Uprights construction

Tightly fixed into top and bottom base units

3 times folded 3 x 2 = 6 folds

SIDE PANEL DIVIDER PROFILE

Solid metal 2 mm

Side panel construction

Tightly fixed into top and bottom base units

4 times folded x 2 = 8 folds

INTERIOR PARTS

19" mounting angles

Solid metal, 2 mm

1 times folded for an L profile system

U marking available

2 ea. at rear, 2 ea. at front

Pre-configured as 19"

Zinc plated, passivated, 8-12 micron

Adjustable in depth

Omega type support rails in depth

Solid metal, 1,5 mm

3 times folded for W=600 mm cabinets

Omega type folded for W=780 mm cabinets

3 ea. at left, 3 ea. at right 26U and 36U

4 ea. at left, 4 ea. at right 42U and 47U

