



Network cabinets and accessories



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Wide range of fiber optic cabling solutions, active equipment, 19" cabinets and accessories.

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SOMI NETWORKS – **is an European distributor and manufacturer** of active fiber optic equipment, passive fiber optic network components, 19" cabinets and accessories.

Started in the 2004 SOMI NETWORKS was one of the first suppliers of networking equipment in Eastern Europe, and since that year we managed to offer custom product solutions to our partners and distributors, and grow huge „know-how“ potential.

Started as a distributor, now **we can offer wide range of our own products** in the area of fiber active and passive components, 19" cabinets and accessories. Some of the products are specially designed by our engineers, to fit most demanding needs of the biggest internet providers, datacenters and other applications.

Our main production is still based in Asia, but for custom products we have a **production lines in the center of Europe - Lithuania**, so we could be closer to you and offer a better reaction time.

We offer several types of 19" cabinets, and a big range of 19" accessories. Custom made solutions are also available for your specific projects needs.

We are already pending certification for our quality and environmental standards **ISO 9001 and ISO14001**.

Our mission is to deliver our field tested solutions to the partners all over the world.



Freestanding Cabinets 19", NA series

Simple and functional:

NA series is a simple design cabinets with all popular heights from 15U to 47U, and depths from 60cm to 100cm.

The higher standart:

Glass front door, two pairs of vertical extrusions, castor and height adjustable leg sets are suplied in the basic configuration of this cabinet, so you won't have to worry about the details.

Flat pack version available:

You can choose a flat pack version of it, to higher your savings on transportation costs.



Perforated roof panel, for ventilation of the cabinet.



Removable and lockable side panels, for easy and secure access.



Height marked 19" frame



Transportation castors comes as standart with each cabinet.



Description:

- Easy to fix concentrated distribution unit into frame.
- Popular front door with 5mm smoky grey toughened glass and vented border.
- Removable front/rear door and side panels, easy to install and maintain.
- Optional two cooling fans and four cooling fans.
- Wire path on the top and bottom can be closed, and wire holes dimentions can be changed at requestments.
- Install caster and support feet at the same time, both included in standart configuration.
- Compatible with 19" standard equipment.

Material: SPCC quality cold rolled steel.

IP rating: 20

Thickness: Mounting profile: 2.0mm (3.0mm available on request) Others: 1.2mm

Surface finish: Decrease, Pickling, Phosphoric, Rust prevention and parkerizing.

Pure water cleaning, Static electricity painting

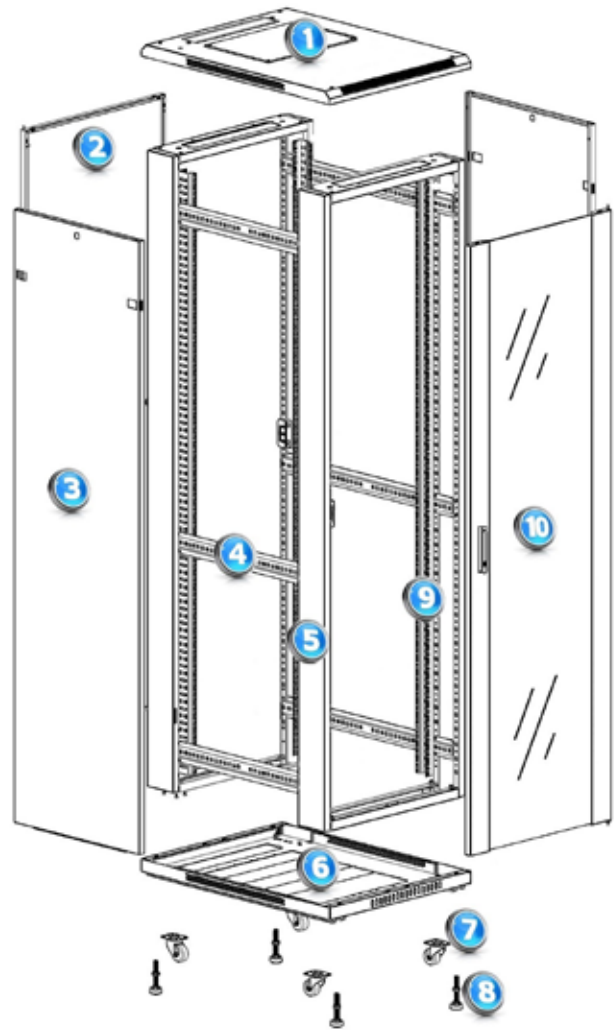
Sizes: **Width:** 600, 800mm **Depth:** 600, 800, 1000mm

Height: 15U, 18U, 20U, 22U, 27U, 32U, 37U, 42U, 47U.

Static Loading Capacity (balanced load): 500kg

Standart Configuration

1. Top panel with cable entry
2. Rear panel/door with small lock
3. Side panel
4. Horizontal supports
5. Main frame
6. Bottom panel with cable entries
7. Castors
8. Legs
9. Two pairs of 19" rails
10. Glass front door



Optional front doors

- Perforated steel door with swivel handle (perforation rate 65%)
- Two part perforated steel door with swivel handle (perforation rate 65%)
- Plain steel door with swivel handle

Optional rear doors

- Plain steel door with swivel handle
- Perforated steel door with swivel handle (perforation rate 65%)

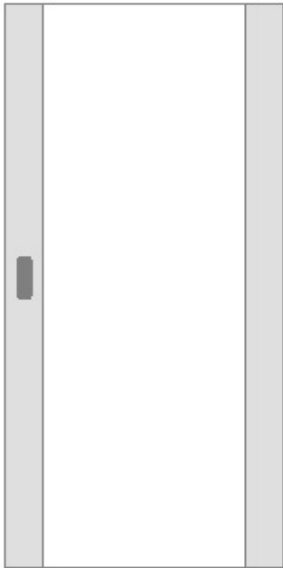
Optional accessories

- Fan units
- Vertical cable managers(for 800mm wide cabinets)
- Plinth
- Grounding units

Colors available:

- RAL7035 Grey (Standard)
- RAL9004 Black (on request)

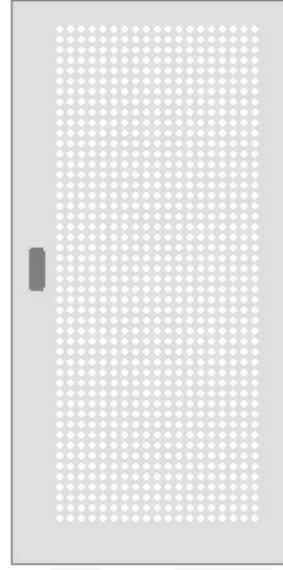
Door options:



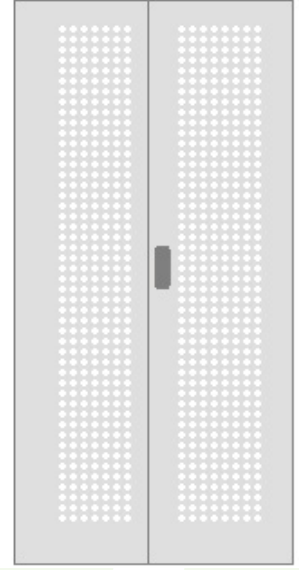
Glass Door



Plain steel door



Perforated door



Two part perforated door

Standart cabinet ordering information:

Part Number*	Width, mm	Depth, mm	Height, mm
15U-60/60NA	600	600	780
15U-60/80NA	600	800	780
20U-60/60NA	600	600	1005
22U-60/60NA	600	600	1095
22U-60/80NA	600	800	1095
22U-60/100NA	600	1000	1095
27U-60/60NA	600	600	1320
27U-60/80NA	600	800	1320
32U-60/60NA	600	600	1545
32U-60/80NA	600	800	1545
32U-60/100NA	600	1000	1545
32U-80/80NA	800	800	1545
32U-80/100NA	800	1000	1545
42U-60/60NA	600	600	1980
42U-60/80NA	600	800	1980
42U-60/100NA	600	1000	1980
42U-80/80NA	800	800	1980
42U-80/100NA	800	1000	1980
45U-60/60NA	600	600	2120
45U-60/80NA	600	800	2120
45U-60/100NA	600	1000	2120



Triple lock system, for secure and comfortable locking.

Perforated door, to ensure the level of natural ventilation.

Picture shows optional two part perforated door

Height, U	/	Wide	/	Depth	Cabinet type	-	Front door	Rear door
15U, 20U, 22U, 27U, 32U, 37U, 42U, 45U		60 - 600mm		60 - 600mm	NA - Aligned		without data - glass door	without data - plain steel door
		80 - 800mm		80 - 800mm	FP - Flat packed		S - plain steel door	RP - perforated steel door
				100 - 1000mm			P - perforated steel door	RP2 - two part perforated door
							P2 - two part perforated door	
22U	-	60	/	80	NA	-	P	RP

Explanation: So with the part number 22U-60/80NA-PRP you would get 22U cabinet, 600mm wide, 800mm depth, already aligned with front perforated door, and rear perforated door.

Have special requirements for your projects? We can help here!

If you need any specific design change, or some modifications according to your projects, feel free to ask us. Our production line provides possibilities to make custom solutions according your requirements.

STANDART WALL SERIES CABINETS

The most popular design of wall mounted cabinets made this model a hot seller. Superior quality, competitive pricing, great looks and functionality made these cabinets one of the market leaders.

- Welded structure makes it very sturdy and robust
- Pre-assembled structure – makes installation easy and fast
- Removable and lockable side panels offers extra protection for your hardware

Standard

- Comply with ANSI/EIA RS-310-D, DIN41497 part 1, IEC297-2, DIN41494 part 7,
- GB/T3047.2-92 standard.

Feature

- Welded frame, reliable structure.
- Wall mounting installation.
- Easy mounting installation (patent).
- 19" standard installation.
- Removable side panels, and side locks in standart configuration
- Cable entrances on both of top cover and bottom panel.
- 120mm fan (optional).
- Opening angle of front door is in excess of 180 degrees.

Material

SPCC cold rolled steel;

Thickness: mounting profile 1.5mm, others 1.2mm.

Surface finish

Degreased, phosphoric and powdercoated.

Degree of protection

IP20

Loading capacity

60kg



Removable and lockable side panels, for easy and secure access.



Lockable front door.

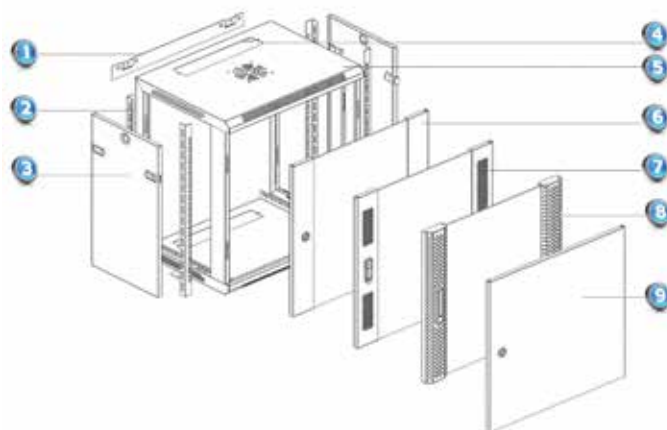


Mounting plate, for easy on wall instalation.



Description	
1.	Installation backboard
2.	Mounting profile
3.	Side panels
4.	Cable entry plate
5.	Roof
6.	Glass door (standart)
7.	Glass door with side perforation (on request)**
8.	Glass door with vented side frames (on request)**
9.	Sheet steel door (optional)*

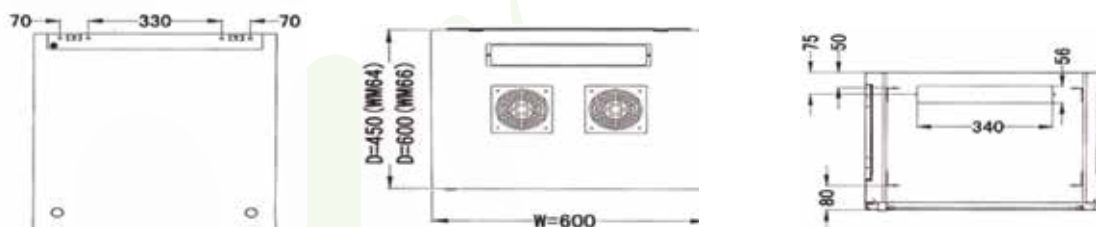
Exploded view:



* For steel front door (No.: 9 in the picture) add „ST“in the end of part number (example: 12U-60/60ST)

** Doors Nr.7 and Nr.8 are supplied on request

Drawings:



Standart cabinet ordering information:

Part Number	Height, mm	Wide, mm	Depth, mm
6U-60/45	368	600	450
6U-60/60	368		600
9U-60/45	501		450
9U-60/60	501		600
12U-60/45	635		450
12U-60/60	635		600
15U-60/45	769		450
15U-60/60	769		600
15U-60/80	769		800
18U-60/45	901		450
18U-60/60	901		600
22U-60/45	1082		450
22U-60/60	1082		600
27U-60/45	1300		450
27U-60/60	1300		600

* For steel front door (No.: 9 in the picture) add „ST“in the end of part number (example: 12U-60/60ST)

SN – RESIDENTIAL WALL CABINETS

Compact enclosure with a range of small depths, perfectly suitable for residential or small office installations. Simple, functional and robust design, for the safety of your equipment.

- Welded structure makes it very sturdy and robust
- Pre-assembled structure – makes installation easy and fast

Standard

- Comply with ANSI/EIA RS-310-D, DIN41497 part 1, IEC297-2, DIN41494 part 7,
- GB/T3047.2-92 standard

Feature

- Welded frame, reliable structure.
- Wall mounting installation.
- Easy mounting installation.
- 19" standard installation.
- Cable entrances on both of top cover and bottom panel.
- 120mm fan (optional).
- Opening angle of front door is in excess of 180 degrees.

Material

SPCC cold rolled steel;

Thickness: mounting profile 1.5mm, others 1.2mm.

Surface finish

Degreased, phosphoric and powdercoated

Degree of protection

IP20

Loading capacity

60kg



Mounting plate, for easy on wall installation.

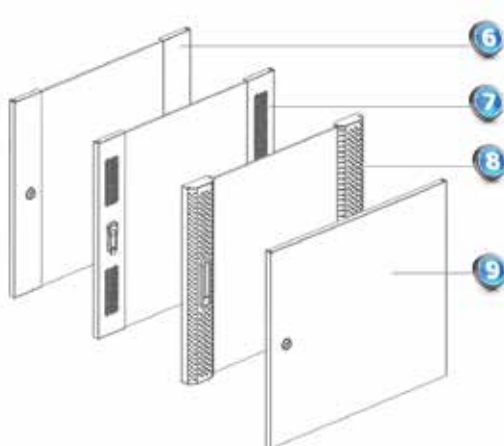


Lockable front door.



Height marked 19" frame

Optional doors:



Standart cabinet ordering information:

Part Number	Height, mm	Wide, mm	Depth, mm
4U-60/40SN	280	600	400
4U-60/45SN	280		450
6U-60/15SN	368		150
6U-60/30SN	368		300
6U-60/40SN	368		400

* For steel front door (No.: 9 in the picture) add „ST“in the end of part number (example: 12U-60/60ST)

** Doors Nr.7 and Nr.8 are supplied on request

One of the slimmest solutions for your equipment. 3u-54/18 cabinet is only 180mm depth, and is very popular for residential, small office and other environments, where limited space solutions are required. Equipment is mounted vertically in 3U 19" frame, which height can be adjusted according to your equipment.

Standard

- Comply with ANSI/EIA RS-310-D, DIN41497 part 1, IEC297-2, DIN41494 part 7,
- GB/T3047.2-92 standard.

Feature

- Reliable structure.
- Wall mounting installation.
- Easy mounting installation.
- 19" standard vertical installation.
- Cable entrances on both of top cover and bottom panel.
- Opening angle of front door is in excess of 180 degrees.

Material

SPCC cold rolled steel;

Thickness: mounting profile 1.5mm, others 1.2mm.

Surface finish

Degreased, phosphoric and powdercoated.

Degree of protection

IP20

Loading capacity

20kg



Standart cabinet ordering information:

Part Number	Height, mm	Wide, mm	Depth, mm
3U-54/18SN	400	540	180

Vandal proof (safe type) cabinets

Vandal proof cabinets usually are made on request, with your desired dimensions, cable entrances, fan places and other options.

In the table bellow you will find few common options of these cabinets, but **any other dimensions can be produced on your request, even with quantity 1pcs.**

Vandal proof cabinets are equipped with extra strong locking system, to ensure the safety of your equipment. These cabinets don't have a luxurious looks like standart network/server cabinets, but as all tough enviroment equipment - makes it's job perfectly.

Standard

- Comply with ANSI/EIA RS-310-D, DIN41497 part 1, IEC297-2, DIN41494 part 7,
- GB/T3047.2-92 standard.
-

Feature

- Welded frame, extremely reliable thick steel structure.
- Wall mounting installation.
- Easy mounting installation.
- 19" standard installation.
- 120mm fan (optional).
- Opening angle of front door is in excess of 180 degrees.

Material

SPCC cold rolled steel;

Thickness:

Mounting profile 2mm, others 2mm.

Surface finish

Degreased, phosphoric and

Degree of protection

IP44

Loading capacity

60kg



Standart cabinet ordering information:

Part Number	Height, mm	Wide, mm	Depth, mm
9U-60/45VP	501	600	450
9U-60/60VP	501		600
12U-60/45VP	635		450
12U-60/60VP	635		600
15U-60/45VP	769		450
15U-60/60VP	769		600

Simple and functional:

The simplicity at it's best – simple though reliable design, for easy access and maintaining of your equipment.

Description:

- Stable and strong structure
- Easy to fix and maintain.
- 19 inch standard installation, and adjustable rack depth.

Material: SPCC quality cold rolled steel.

Thickness:

Beams: 2mm

Plinth: 1.5mm

Others: 1.2mm

Static Loading Capacity:

200kg

Surface finish:

Decrease, pickling, phosphoric, rust prevention and parkerizing, pure water cleaning, static electricity painting

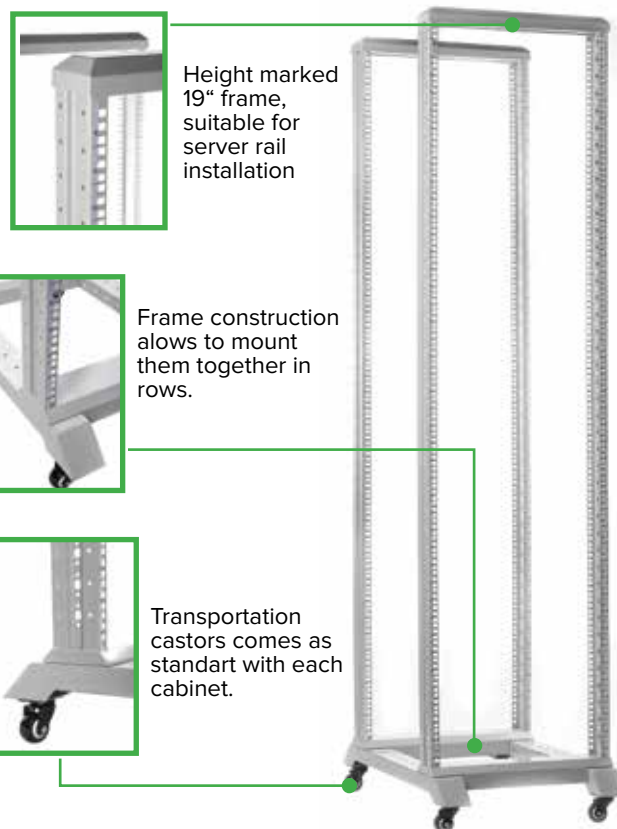
Size:

Height: 42U

Width (base): 550mm

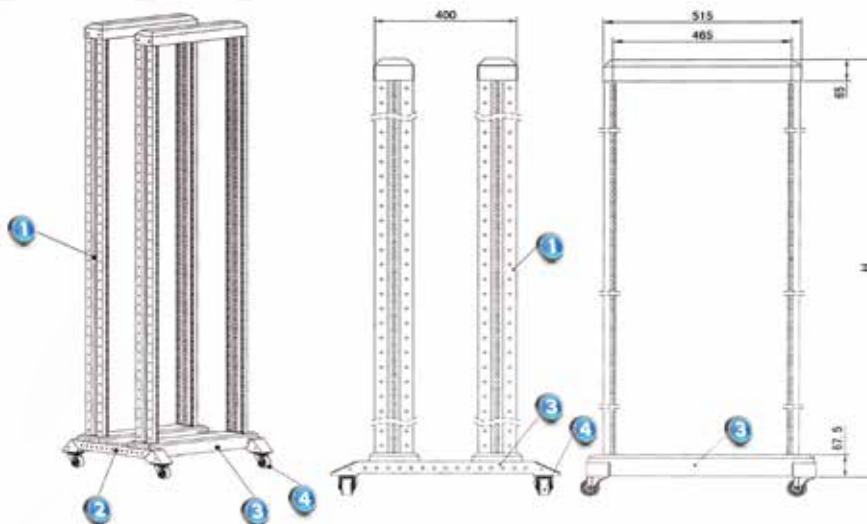
Possible base Depth: 600mm, 800mm, 1000mm

MAX depth between frames: 525mm, 725, 925mm



Specifications:

Standart Configuration	
1.	Main frame
2.	Plinth
3.	Horizontal beam
4.	Castors



Remark: To achieving maximum stability of the frame, we highly recommend to mount at least one item of equipment with four point mounting (betwen front and rear frames). If you don't have it - simply mount 1U shelf in the top of the frame.

Ordering information:

Part Number*	Wide, mm	Depth, mm	Height, mm	Depth, mm (between frames)
42U-55/60	550	600	2050	525
42U-55/80		800	2050	725
42U-55/100		1000	2050	925

19" horizontal cable management bars



Part Number	Description
CMB-01	19" Cable manager with 5pcs steel rings. <ul style="list-style-type: none"> • 5pcs steel rings • Ring diameter 45x45mm



Part Number	Description
CMB-02	19" Cable manager with 5pcs plastic rings: <ul style="list-style-type: none"> • 5pcs plastic rings • Ring diameter 45x70mm • Holes in the panel plate



Part Number	Description
CMB-03	19" Cable manager with 5pcs plastic rings: <ul style="list-style-type: none"> • 5pcs plastic rings • Ring diameter 45x70mm



Part Number	Description
CMB-04	19" Cable manager with plastic duct and cover <ul style="list-style-type: none"> • Covered plastic duct • Ring diameter 45x50mm





Part Number	Description
CMB-05	19" Cable manager with 5pcs plastic rings: <ul style="list-style-type: none"> • 5pcs plastic rings • Ring diameter 45x65mm



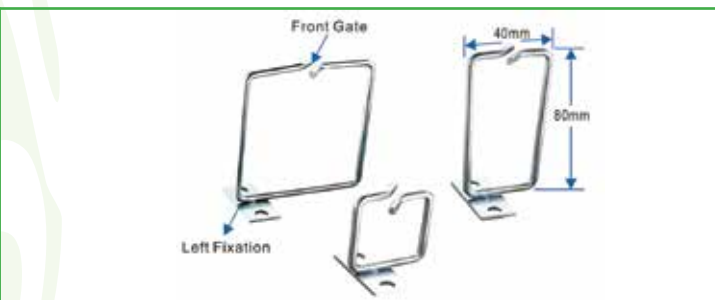
Part Number	Description
RING-01L	Cable management ring, left side, Grey (RAL7035)*
RING-01R	Cable management ring, right side, Grey (RAL7035)*

Cable management rings (zinc plated steel)



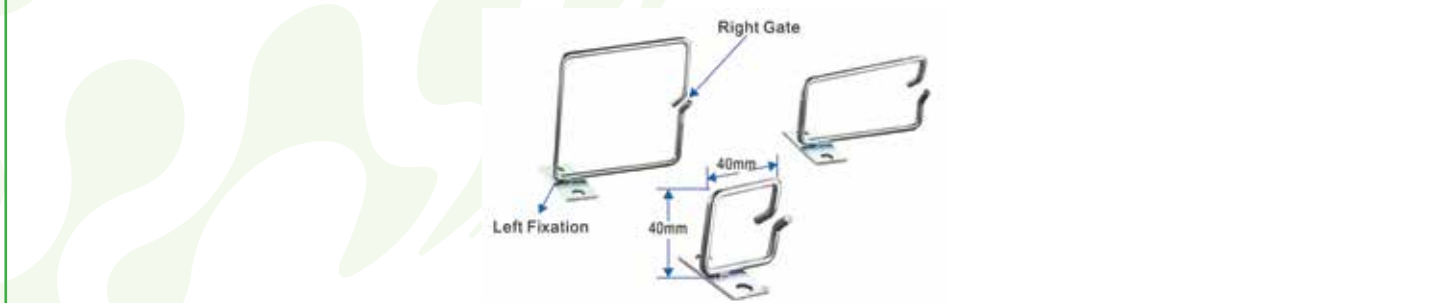
Part Number	Description
RING-A8/8	Central fixation/Front gate
RING-A8/4	80x40 Cable management ring
RING-A4/4	40x40 Cable management ring

Left fixation/Right Gate



Part Number	Description
RING-B8/8	80x80 Cable management ring
RING-B8/4	80x40 Cable management ring
RING-B4/4	40x40 Cable management ring

Left fixation/Front Gate



Part Number	Description
RING-C8/8	80x80 Cable management ring
RING-C8/4	80x40 Cable management ring
RING-C4/4	40x40 Cable management ring

Left fixation/Right Gate

STANDART line 19" power distribution units

These are only few of our most popular models of power distribution units (PDU), which we have adapted to our customers requirements. Don't forget to check the possible configuration table, and we will offer you the models according to your requirements.



Part Number	Description
PDU06S	19" 6x250V power distribution unit with switch
PDU08	19" 8x250V power distribution unit without switch
PDU08S	19" 8x250V power distribution unit with switch
PDU09	19" 9x250V power distribution unit without switch
PDU09S	19" 9x250V power distribution unit with switch



Part Number	Description
PDU08FC14	19" 8x250V power distribution unit with C14 input cable



Part Number	Description
PDU06CB	19" 6x250V power distribution unit with Circuit breaker

Remark:

Most of custom designed PDU's has longer delivery times, so please make a request for a specific design. More options - French, Brazil, UK, Australia and other types of sockets, input cords, and additional modules are available on request.



Part Number	Description
PDU08SAS	19" 8x250V Aluminium power distribution unit with switch
PDU08SASO	19" 8x250V Aluminium power distribution unit with switch, and over-current protection

Technical characteristic of STANDART line PDU's:

Input characteristics	Values
Rated input voltage	250VAC
Cable specification	3x1.5
Type of input plug	Schuko, C14, C20
Cable length	1.8m
Max input current	16A
Output Conectors	Schuko, C13, C19
Output quantity	6,8,9
Output voltage	250VAC

Input characteristics	Values
Max output current	16A
Max output power	3.5KW
Product size	LXWXH=480X44.4X44.5mm (19")
Mounting length	480mm
Product color	Black, Silver
Shell material	Plastic shell, Aluminium shell
Mounting	19" with brackets included
Mounting	Horizontal installation

Product Configurator:

PDU	Port quantity	Socket type	Switch	Color and Material	Input Cord	Additional Module
	06 - 6 port	Nothing – SCHUKO	Nothing – without switch	Nothing – Black color PVC	Nothing – Fixed cable with SCHUKO plug	Nothing - no additional modules
	08 - 8 port	C13 – C13 / IEC320	S – with switch	AS – Silver color Aluminium	FC14 – Fixed cable with socket C14	CB – mini circuit breaker
	09 - 9 port	C19 – C19 / IEC320		AB –Black color Aluminium	UP – Unpluggable cable with SCHUKO-C13 plugs	S – surge protection
						O – overload protection
						OP – overload protection and power indication
PDU	08		S	AS	FC14	O

VENT-1 – Single fan ventilation unit



Part Number	Description
VENT-1	Single fan unit (comes together with connection cable)

One fan unit for roof mounting in wall cabinets (some of them may fit two of these). These fan units comes together with Schuko input cable.

Ventilation units with two or four fans, for floor freestanding cabinets

Ordering information:



Part Number	Description
VENT-2F-600	Roof mount fan unit with 2 fans, for 600mm depth cabinets
VENT-4F-600	Roof mount fan unit with 4 fans, for 600mm depth cabinets
VENT-4F-800	Roof mount fan unit with 4 fans, for 800mm depth cabinets
VENT-4F-1000	Roof mount fan unit with 4 fans, for 1000mm depth cabinets

These fan units comes together with Schuko input cable, and mounting screws.

- Two to four fans
- For installation to the roof of the cabinet
- Voltage range 230V/50Hz (optionally 48V DC)
- Color powder coated RAL (standard RAL 7035)

2FAN-TERM – 19" Two fan ventilation unit with digital thermostat



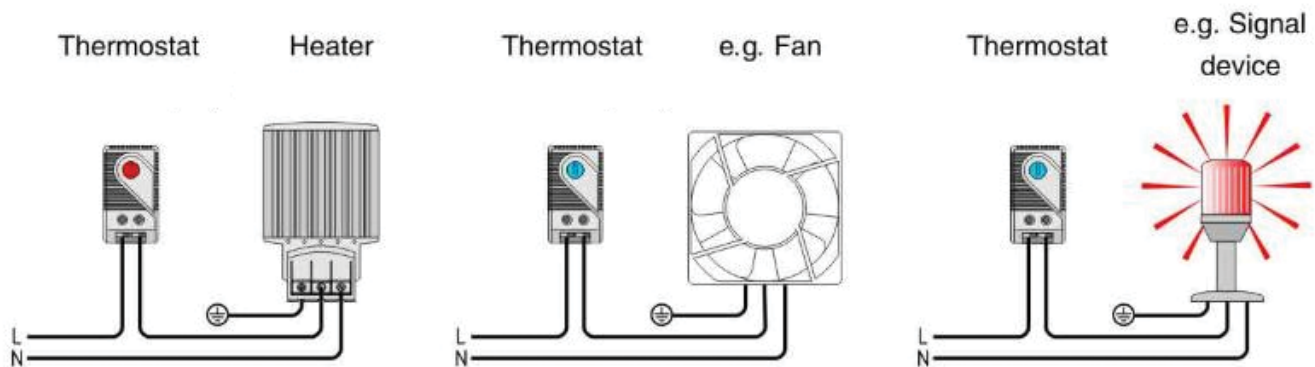
19" fan unit with two fans comes together with digital thermostat, so you can configure the required starting temperature on the display in the front.

Part Number	Description
2FAN-TERM	19" two fan unit with digital thermostat, Grey Colour(RAL 7035)
2FAN-TERM-B	19" two fan unit with digital thermostat, Black Colour(RAL 9005)

TERM - thermostats for cooling and heating

Simple, compact and functional mechanical thermostats for heating and cooling. DIN mounting, high temperature range, and small size makes it most wanted thermostat on the market. Lifetime up to 100 0000 cycles.

Part Number	Description
TERM	Thermostat for cooling, DIN mountable
TERM-H	Thermostat for heating, DIN mountable



Heaters

- Pressure clamp connectors
- Dynamic heating up
- Wide voltage range
- Temperature limiting
- Energy saving
- Clip fixing
- Quick installation

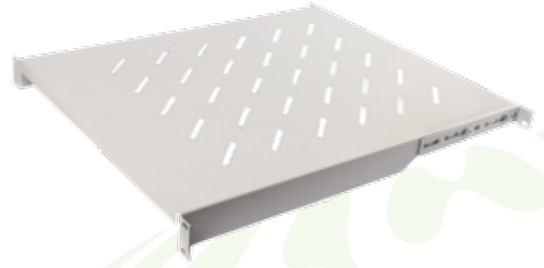


These heaters are used in enclosures where damage from condensation must be prevented, or where the temperature may not fall below a minimum value. The aluminium profile heater body design has a chimney effect and distributes the heat evenly. The heaters are designed for permanent operation. Pressure clamp connectors save time and simplify installation.

Part Number	Description
SHGW60	60W DIN mountable heater
SHGW100	100W DIN mountable heater
SHGW150	150W DIN mountable heater

Depth adjustable shelves 1U fixed on four 19" mounting profiles

- Made of 2 mm sheet steel,
- 19" assembly, 1U height,
- Long supporting brackets included,
- Four mounting ears (two in front and two in back),
- Available depths : 250, 350, 450, 550, 650, 750 and 850 mm.



Load rating max. 80 kg balanced load; maximum load rating decreased to 25% when mounted on front pair of vertical extrusions only (250 and 350 mm shelf depth)

Colour light grey (RAL7035).

Black color on request (RAL 9005).

Part Number	Wide	Depth, mm	Height, U	Max mounting	Weight, kg
1U-25-B-2S	19"	250	1	414	2.2
1U-35-B-2S	19"	350	1	514	3.0
1U-45-B-2S	19"	450	1	614	3.8
1U-55-B-2S	19"	550	1	714	4.6
1U-65-B-2S	19"	650	1	814	5.3
1U-75-B-2S	19"	750	1	914	6.1
1U-85-B-2S	19"	850	1	1014	6.8

Shelves 2U fixed on two 19" mounting profiles

- Made of 1.5 mm sheet steel,
- 19" assembly, 2U height
- Two supporting ears on the front
- Available depths : 200, 300 mm
- Load rating max. 15 kg
- Colour light grey (RAL7035). Under order available black (RAL 9005).



Part Number	Wide	Depth, mm	Height, U	Weight, kg
2U-20-B-1.5	19"	200	1	1.6
2U-30-B-1.5	19"	300	1	2.2

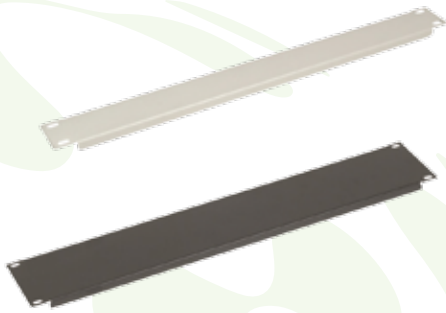
Sliding telescopic shelves 1U fixed on four 19" mounting profiles

- Made of 1.5 mm sheet steel,
- 19" assembly,
- Four mounting ears (two in front and two in back),
- Available for cabinet depths 600, 800
- Load rating max. 50 kg,
- Colour light grey (RAL7035). Under order available black (RAL 9005).



Part Number	Wide	Depth, mm	Height, U	Weight, kg
1U-45-B-Slide	19"	250	1	4.0
1U-55-B-Slide	19"	350	1	4.8

19" Blank panels are used to close empty spaces in network or server cabinets for hot/cold aisle cooling solutions, or simply for better look of well organised cabinets.



Part Number	Description
1U-BLANK	1U blank panel, 19" Grey colour (RAL7035)
2U-BLANK	2U blank panel, 19" Grey colour (RAL7035)
3U-BLANK	3U blank panel, 19" Grey colour (RAL7035)
4U-BLANK	4U blank panel, 19" Grey colour (RAL7035)
5U-BLANK	5U blank panel, 19" Grey colour (RAL7035)

*Black colour available on request

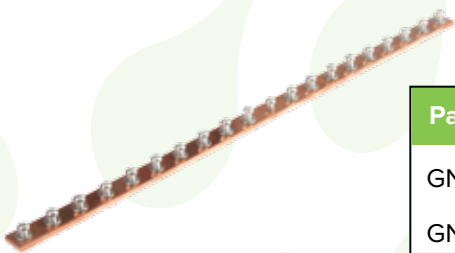
Mounting kit (M6 screw+nut+washer)



Part Number	Description
M6	Screw, nut and washer

Grounding plate

Pure copper 19" rail with 20 grounding points and screws to mount the grounding wires
Dimensions: 485x20x5mm



Part Number	Description
GND-01	19" Copper grounding plate with loaded earthing screws
GND-02	Grounding plate with loaded earthing screws, 17cm

Height adjustable feet and castors for cabinets

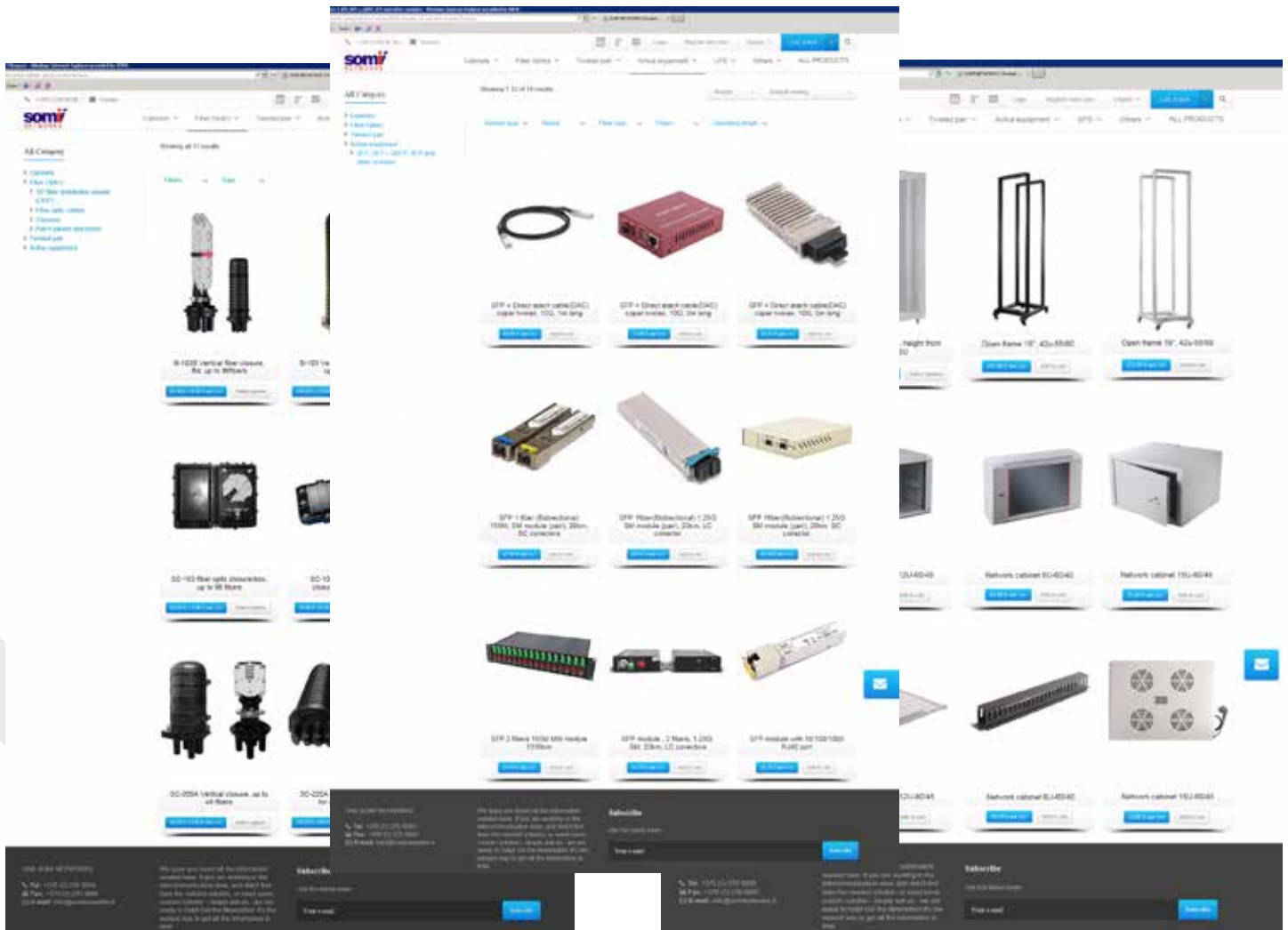


Part Number	Description
Leg	100mm height feet for floor cabinets (1pcs)
Cast	Castor for cabinets, with lock 1pcs)



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**HEADQUARTERS:****SOMI NETWORKS, UAB**

Ukmerges str. 283A, LT-06313 Vilnius
Company Code: 300528292
VAT Number: LT100002144113

Phones

Tel.: + 370 5 270 90 00
Fax: + 370 5 270 90 66

E-Mail

info@sominetworks.com

LATVIA:**SOMI NETWORKS, SIA**

Jelgavas cels 20, LV-2167, Tîraine, Marupes nov.
Company Code: 40003830305
VAT Number: LV 40003830305

Phones

Tel.: + 371 67 408 939
Fax: + 371 67 408 941

E-Mail

sominetworks@sominetworks.lv

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