

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 accesories.

Started in the 2004 SOMI NETWORKS was one of the first supliers 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 aplications.

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 standarts ISO 9001 and ISO14001.

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







FREESTANDING CABINETS 19", STANDARD SERIES

Freestanding Cabinets 19", STANDARD series

Simple and functional:

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

The higher standard:

Glass front door, two pairs of vertical frames, castor and height ajustable 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 adjust the depth of 19" frames
- Front door with 5mm smoky grey toughened glass
- · Removable front/rear door and side panels, easy to install and maintain.
- Optional cooling fan units.
- Cable entry ports on the top and bottom.
- Castors and height adjustable legs 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, Phosphating, Rust prevention,

Pure water cleaning, Static electricity painting Width: 600, 800mm Depth: 600, 800, 1000mm

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

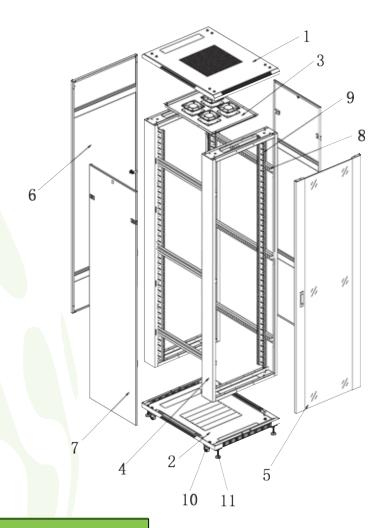
Static Loading Capacity (balanced load): 800kg





Standard Configuration

- 1. Top panel with cable entry
- 2. Bottom panel with cable entries
- 3. Fan unit (optional)
- 4. Main frame
- 5. Glass front door
- 6. Rear panel/door with small lock
- 7. Side panel
- 8. Horizontal supports
- 9. Two pairs of 19" rails
- 10. Castors
- 11. Height adjustable legs



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)

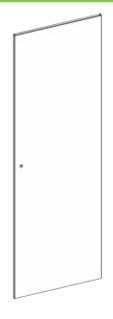


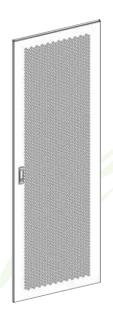


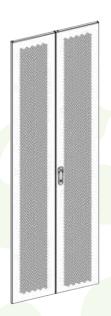
FREESTANDING CABINETS 19", STANDARD SERIES

Door options:









Glass Door

Plain steel door

Perforated door

Two part perforated door

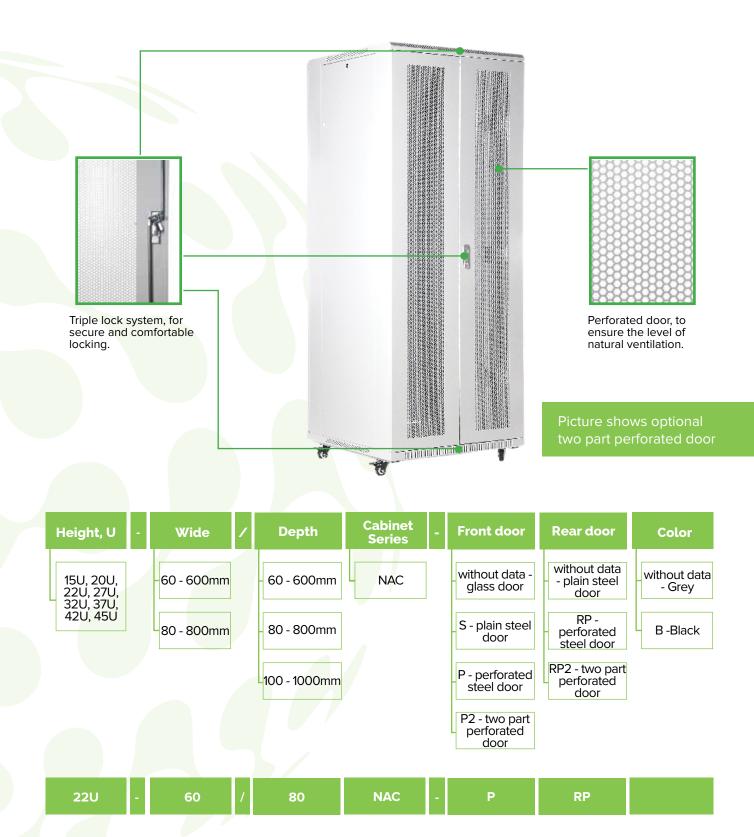
Standard cabinet ordering information:

Part Number*	Width, mm	Depth, mm	Height, mm**
15U-60/60NAC	600	600	859
15U-60/80NAC	600	800	859
20U-60/60NAC	600	600	1081
22U-60/60NAC	600	600	1169
22U-60/80NAC	600	800	1169
22U-60/100NAC	600	1000	1169
27U-60/60NAC	600	600	1426
27U-60/80NAC	600	800	1426
32U-60/60NAC	600	600	1616
32U-60/80NAC	600	800	1616
32U-60/100NAC	600	1000	1616
32U-80/80NAC	800	800	1616
32U-80/100NAC	800	1000	1616
37U-60/60NAC	600	600	1836
37U-60/80NAC	600	800	1836
42U-60/60NAC	600	600	2059
42U-60/80NAC	600	800	2059
42U-60/100NAC	600	1000	2059
42U-80/80NAC	800	800	2059
42U-80/100NAC	800	1000	2059
45U-60/60NAC	600	600	2188



^{**} Height adjustable legs allows to lover cabinets 30mm (if castors are removed)





Explanation: With the part number 22U-60/80NAC-PRP you would get 22U cabinet, 600mm wide, 800mm depth, with front perforated door, and rear perforated door, grey color.

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.

Remark: The cabinets have a disassembled construction and can be ordered either assembled or unassembled



STANDARD WALL SERIES CABINETS

The most popular design wiith superior quality, functionality and competetive pricing made this model a hot seller. Designed for professional use, but also used in residential areas, offices, or other applications.

- · Very sturdy and robust structure
- Disassembled structure perfect for transportation if ordered flat pack
- 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

- Reliable dismantable structure.
- Wall mounting installation.
- Easy mounting installation (patent).
- 19" standard installation.
- Removable side panels, and side locks in standart config
- Cable entrances on both of top cover and bottom panel.
- 120mm fan (optional).
- Opening angle of front door is in excess of 180 degrees.
- · Delivered disassembled or assemble

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 instalation.

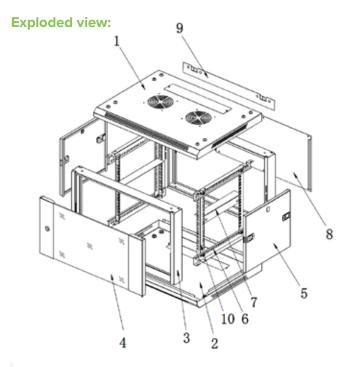




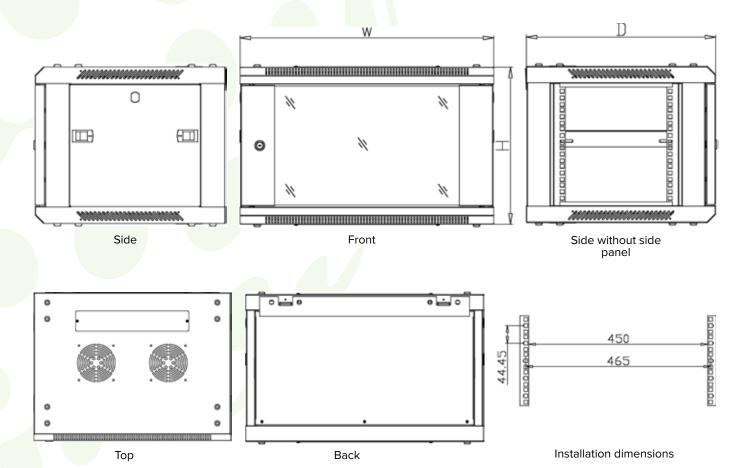


Description

- 1. Roof
- 2. Bottom
- 3. Front frame
- 4. Glass door
- 5. Side panels
- 6. Horizontal support
- 7. Support for equipment
- 8. Back panel
- 9. Mounting profile
- 10. 19" rails



Drawings:

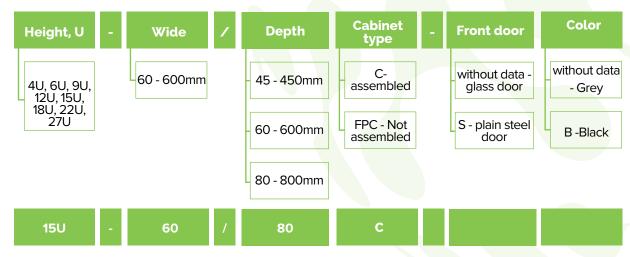






Standart cabinet ordering information:

Part Number	Height, mm	Wide, mm	Depth, mm
4U-60/40C	281		400
4U-60/45C	281		450
6U-60/30C	370		300
6U-60/40C	370		400
6U-60/45C	370		450
6U-60/60C	370		600
9U-60/45C	503		450
9U-60/60C	503		600
12U-60/45C	637		450
12U-60/60C	637	600	600
15U-60/45FPC	770		450
15U-60/60FPC	770		600
15U-60/80FPC	770		800
18U-60/45FPC	906		450
18U-60/60FPC	906		600
22U-60/45FPC	1081		450
22U-60/60FPC	1081		600
27U-60/45FPC	1300		450
27U-60/60FPC	1300		600



Examples: With the part number 15U-60/80C you would get 15U cabinet, 600mm wide, 800mm depth, grey color, already assembled, with glass front door. 15U-60/80FPC would mean it is the same cabinet not assembled.

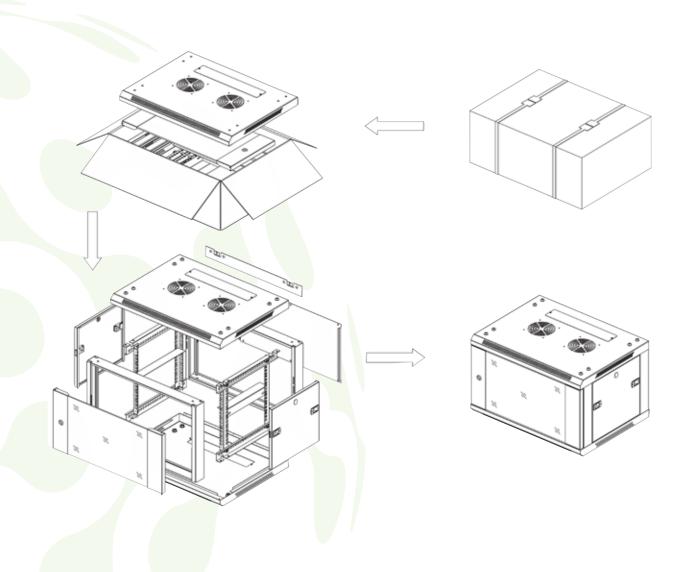
Have special requirements for your projects? We can help here!

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.



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Flat packed packaging:



Standart color:

GREY (RAL 7035)

Optional color:

BLACK (RAL 9005)





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

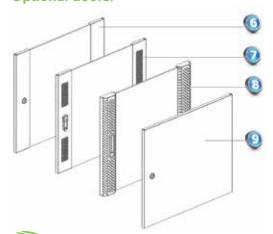
IP20

Loading capacity

60kg



Optional doors:



Standart cabinet ordering information:

Part Number	Height, mm	Wide, mm	Depth, mm
6U-60/15SN	368	600	150

- * 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





Mounting plate, for easy on wall installation.

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

40kg







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





Vandal proof (safe type) cabinets

Vandal proof cabinets usualy 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 equiped 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 environment 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

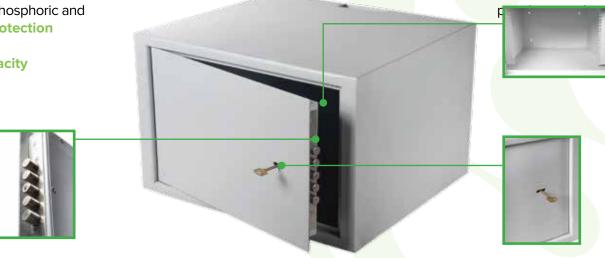
Degreased, phosphoric and

Degree of protection

IP44

Loading capacity

60kg



Standart cabinet ordering information:

Part Number	Height, mm	Wide, mm	Depth, mm
9U-60/45VP	501		450
9U-60/60VP	501		600
12U-60/45VP	635	600	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. Unique design with adjustable depth makes it highly versatile and suitable for wide range of applications. Ideal for networking, server or AV 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: Plinth: 3mm Others: 2mm

Static Loading Capacity:

400kg

Surface finish:

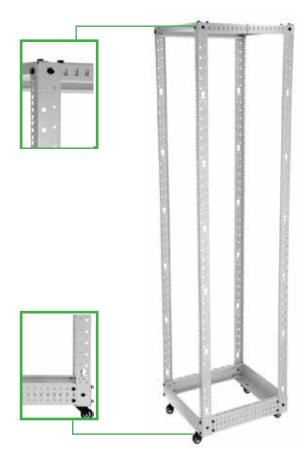
Decrease, pickling, phosphoric, rust prevention and parkerizing, pure water cleaning, static electricity painting

Size:

Height: 42U

Width (base): 515mm

Depth: adjustable from 560mm to 1020mm

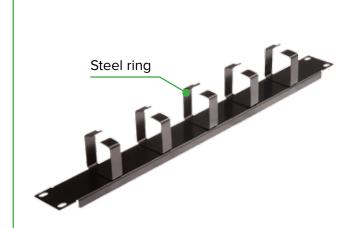


Ordering information:

Part Number*	Wide, mm	Depth, mm	Height, mm	Color
42U-RD-GC	515	560-1020	2006	Grey
42U-RD-BC	515	560-1020	2006	Black



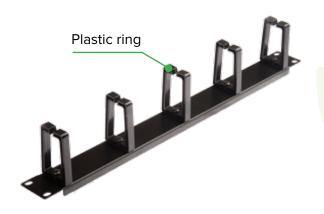
19" horizontal cable management bars



Part Number	Description
CMB-01	19" Cable manager with 5pcs steel rings.
	• 5pcs steel rings
	• Ring diameter 45x45mm



Part Number	Description
CMB-02	19" Cable manager with 5pcs plastc rings:
	5pcs plastic rings
	Ring diameter 45x70mm
	Holes in the panel plate



Part Number	Description	
CMB-03	19" Cable manager with 5pcs plastc rings:	
	• 5pcs plastic rings	
	Ring diameter 45x70mm	



Part Number	Description	
CMB-04	19" Cable manager with plastic duct and cover	
	Covered plastic duct	
	Ring diameter 45x50mm	





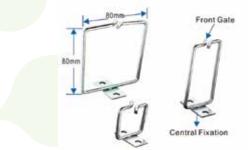


Part Number	Description
CMB-05	19" Cable manager with 5pcs plastc rings:
	5pcs plastic rings
	Ring diameter 45x65mm

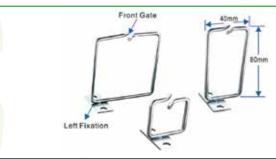


Part Number	Description
RING-01L	Cable management ring, left side,
	Grey (RAL7035)*
RING-01R	Cable management ring, right side,
	Grey (RAL7035)*

Cable managment rings (zinc plated steel)

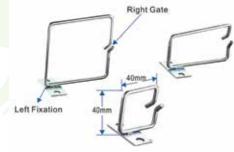


Part Number	Description
RING-A8/8	Central fixation/Front gate
RING-A8/4	80x40 Cable management ring
RING-A4/4	40x40 Cable management ring



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		





Left fixation/Right Gate

STANDART LINE 19" POWER DISTRIBUTION UNITS

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
PDU08P	19" 8x250V power distribution unit with indicator
PDU08S	19" 8x250V power distribution unit with switch
PDU09P	19" 9x250V power distribution unit with indicator
PDU09S	19" 9x250V power distribution unit with switch







Part Number	Description
PDU08FC14P	19" 8x250V power distribution unit with C14 imput cable and indicator









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.



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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:

Port quantity Color and Material PDU **Input Cord Socket type Switch** Nothing
– without
switch Nothing -Nothing – SCHUKO 06 - 6 port Black color PVC AS – Silver color C13 – C13 / IEC320 08 - 8 port S-withswitch Aluminium C19 – C19 / IEC320 AB -Black 09 - 9 port color Aluminium

Nothing – Fixed cable with SCHUKO plug
FC14 – Fixed cable with socket C14
UP – Unplugable cable with SCHUKO-C13 plugs

FC14

Aditional Module	
P - with indicator	
CB – mini circuit breaker	
S – surge protection	
O – overload protection	
OP – overload protection and power indication	



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PDU

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 unit with four fans, for floor freestanding cabinets



Ordering information:

Part Number	Description
VENT-4F	Roof mount fan unit with 4 fans, for freestanding cabinets



These fan units comes together with Schuko input cable.

- 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	
VENT-2F-1U-G-TC	19" two fan unit with digital thermostat, Grey Colour(RAL 7035)	
VENT-2F-1U-B-TC	19" two fan unit with digital thermostat, Black Colour(RAL 9005)	





TERM - thermostats for cooling and heating

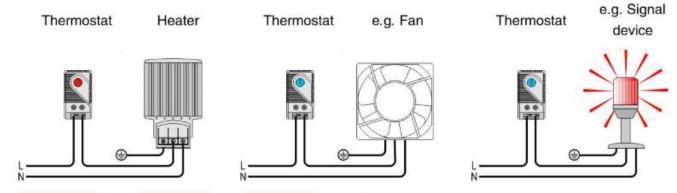
Simple, compact and functional mechanical thermostats for heating and cooling.

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-VENT	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





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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 profile

- 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

Colour options:

Light grey (RAL7035).

Black (RAL 9005).

Part Number	Wide	Depth, mm	Color	Max mounting	Weight, kg
1U-25-G-1.2-C	19"	250	Grey	370	2.2
1U-35-G-1.2-C	19"	350	Grey	470	3.0
1U-45-G-1.2-C	19"	450	Grey	570	3.8
1U-55-G-1.2-C	19"	550	Grey	670	4.6
1U-65-G-1.2-C	19"	650	Grey	770	5.3
1U-75-G-1.2-C	19"	750	Grey	870	6.1
1U-85-G-1.2-C	19"	850	Grey	970	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-SC	Screw, nut and washer (Silver color)
М6-С	Screw, nut and washer (Black color)

Grounding plate

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



Part Number	Description
GND-01	19" Brass 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)

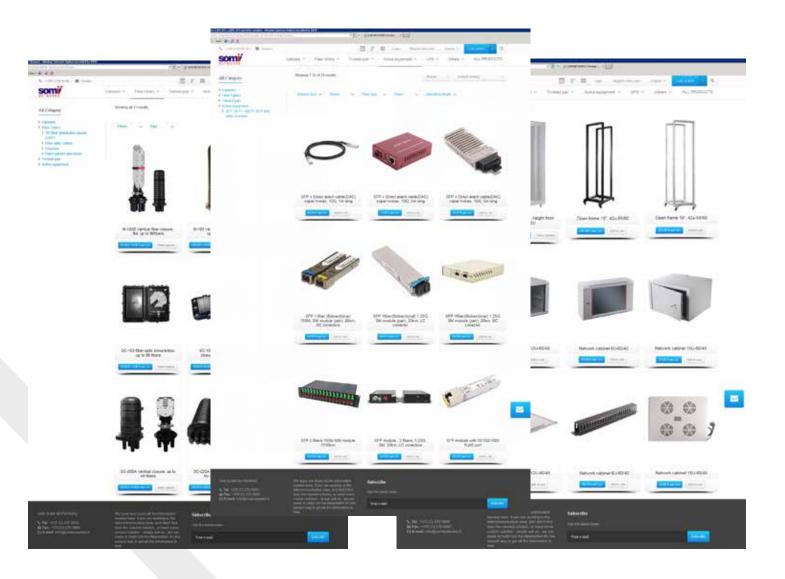






FIND ALL LATEST CATALOGUES, SPECIFICATION SHEETS, MANUALS AND OTHER INFORMATION ON OUR WEBSITE:

www.sominetworks.com



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















HEADQUARTERS:

SOMI NETWORKS, UAB

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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.

- Very sturdy and robust structure
- Disassembled structure perfect for transportation if ordered flat pack
- 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

- Reliable dismantable structure.
- Wall mounting installation.
- Easy mounting installation (patent).
- 19" standard installation.
- Removable side panels, and side locks in standart config
- Cable entrances on both of top cover and bottom panel.
- 120mm fan (optional).
- Opening angle of front door is in excess of 180 degrees.
- Delivered disassembled or assemble

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.









Mounting plate, for easy on wall instalation.

Lockable front door.



