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Deep Networks Group

DATA SHEET
DE-STD · SN-SZTK · Rev. 2026

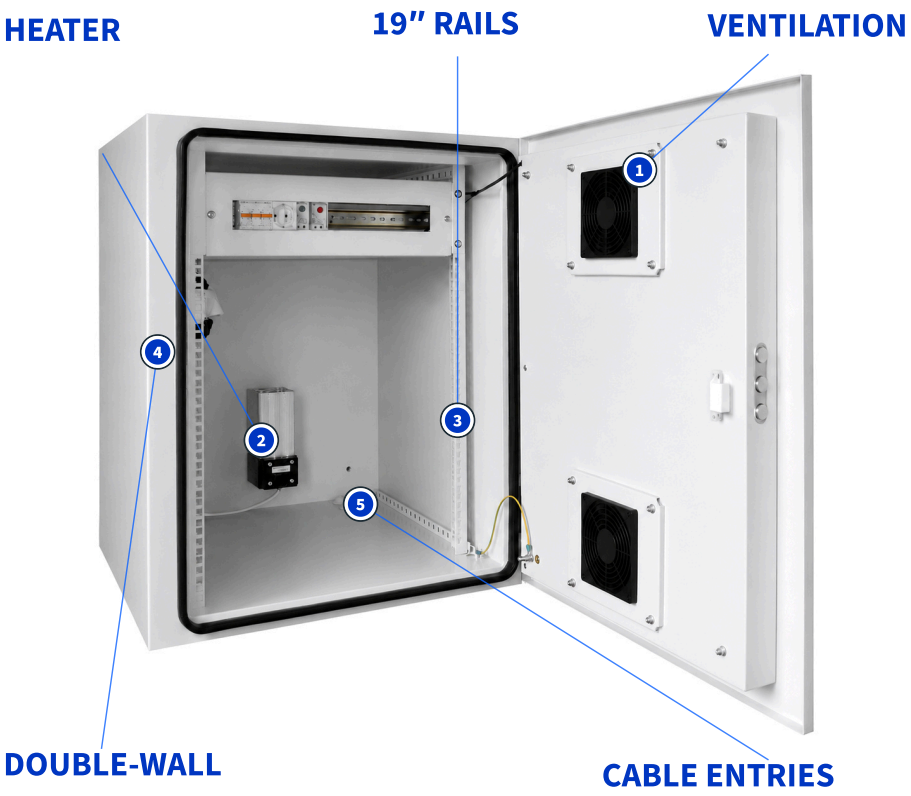
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OUTDOOR ENCLOSURES

SN-SZTK Fan-Cooled Series

Outdoor Wall-Mount Enclosure, IP54



Fan-Cooled Series is a range of double-wall steel outdoor enclosures designed for the installation and protection of 19-inch telecommunications equipment. The double-wall construction with non-combustible A1-class mineral-wool insulation reduces heat loss in cold weather and protects the enclosure interior from excessive heating in summer. Forced ventilation and an integrated heater provide temperature control inside the enclosure. Adjustable 19-inch mounting rails allow the mounting depth to be adapted to the installed equipment. The enclosure protects installed equipment against unauthorised access and adverse weather conditions and is suitable for wall or pole mounting. Protection rating: IP54.

AT A GLANCE

Series	**Fan-Cooled Series**
Models	**SN-SZTK-WM-WD-19-6U-065-06 · SN-SZTK-WM-WD-19-9U-065-06 · SN-SZTK-WM-WD-19-12U-065-06**
Usable rack units	**6U / 9U / 12U**
Construction	**Double-wall steel, A1 mineral-wool insulation**
Climate control	**Filtered forced ventilation + integrated heater**
Mounting	**Wall or pole**

NUMBERED DETAILS IN THE PHOTO

1. **Filtered Ventilation**
   Upper fan extracts warm air; lower filtered inlet supplies outside air.
2. **Heater**
   Integrated heater supports operation at low ambient temperatures.
3. **19″ Mounting Rails**
   Adjustable rails allow the mounting depth to match the installed equipment.
4. **Double-Wall Body**
   Double-wall steel construction with A1-class mineral-wool insulation.
5. **Cable Entries**
   Cable entries in the enclosure base are fitted with stepped rubber grommets to accommodate different cable diameters.

1 Key figures

Height	**6 / 9 / 12** U
Width	**650** mm
Depth	**600** mm
Static Load	**100** kg
Protection	**IP54**

2 Key features

Double-Wall Steel Construction	Inner and outer steel shells provide a robust insulated enclosure structure.
Thermostatic Control	Separate thermostats provide automatic control of the fan and heater.
A1 Mineral-Wool Insulation	Non-combustible insulation reduces heat loss in cold weather and limits heating in summer.
Filtered Ventilation	Upper fan extracts warm air; lower filtered inlet supplies outside air.
Integrated Heater	Integrated heater supports enclosure operation at low ambient temperatures.
19″ Mounting Rails	Two 19-inch mounting rails with adjustable depth in 25 mm increments.
3U Electrical Control Panel	Pre-equipped with three circuit breakers, a power socket and separate mechanical thermostats for fan and heater control.
Enhanced Security Design	Concealed hinges, a door-to-body design that restricts tool access to the gap, and a three-bolt lever lock provide increased protection against forced access.

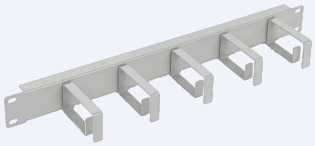
TYPICAL APPLICATIONS

- Outdoor Telecommunications Networks
- Mobile Network Infrastructure
- CCTV and Security Systems
- Industrial Communication Systems
- Remote Equipment Sites
- Outdoor Network Distribution Points

WHAT'S IN THE BOX

- 19″ Mounting Rails
- 3U Electrical Control Panel
- Cooling Fan
- Dust Filters
- Heater
- Door Opening Sensor
- Stepped Rubber Grommets
- Mounting / Installation Kit

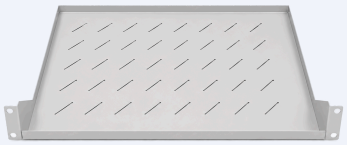
COMPATIBLE ACCESSORIES



Cable organizer



PDU



Shelf

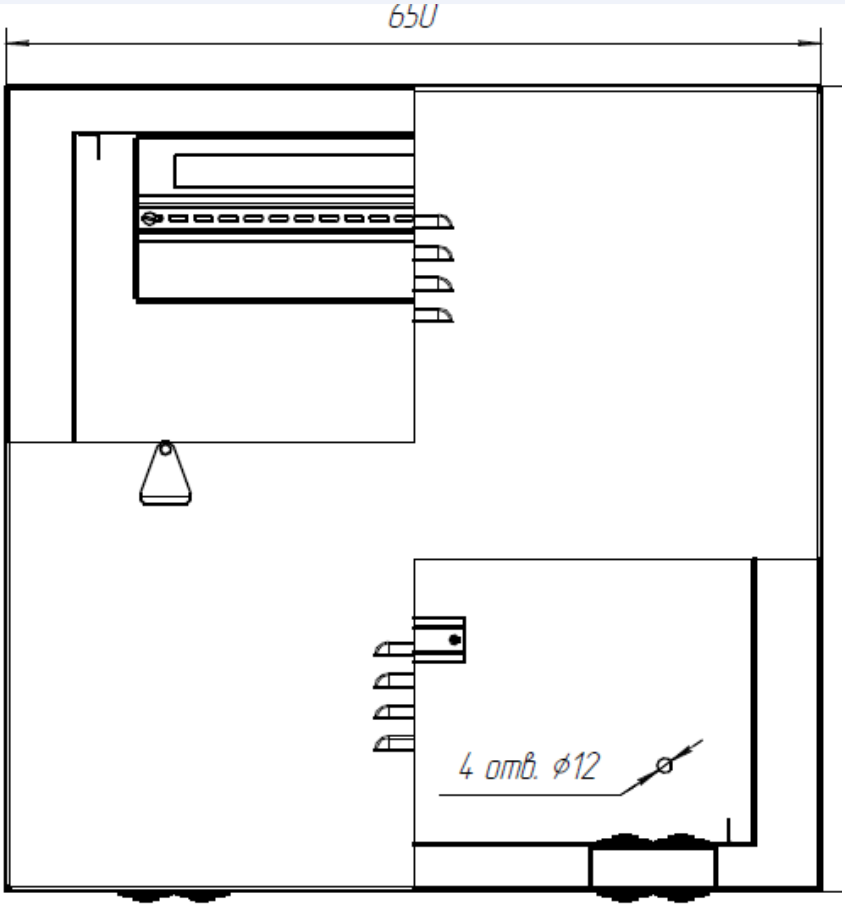
3 Size and configuration matrix

Rows list the three SN-SZTK wall-mount models. Columns give usable rack space, total rack capacity, external dimensions width by height by depth, usable mounting depth, and net weight.

Model	Usable Rack Space (U)	Total Rack Capacity (U)	External Dimensions W × H × D (mm)	Usable Mounting Depth (mm)	Net Weight (kg)
SN-SZTK-WM-WD-19-6U-065-06	**6** U	**9** U	**650 × 505 × 600** mm	**450** mm	52.2 kg
SN-SZTK-WM-WD-19-9U-065-06	**9** U	**12** U	**650 × 640 × 600** mm	**450** mm	60.5 kg
SN-SZTK-WM-WD-19-12U-065-06	**12** U	**15** U	**650 × 770 × 600** mm	**450** mm	66.0 kg

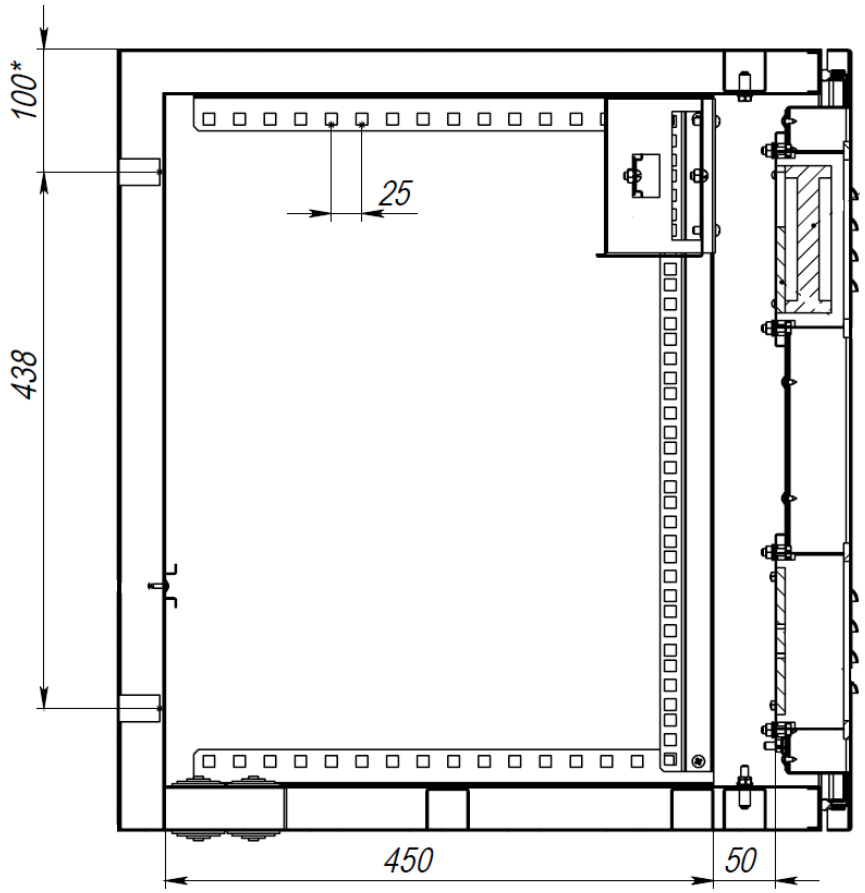
The top 3U are permanently occupied by the factory-installed 3U electrical control panel; the stated usable U rating is the space available for customer equipment, and the total frame is 3U taller. Static load 100 kg for all models. Cable entries: stepped rubber grommets, 8 pcs, in the base. Weights are for the empty enclosure.

4 Technical drawings



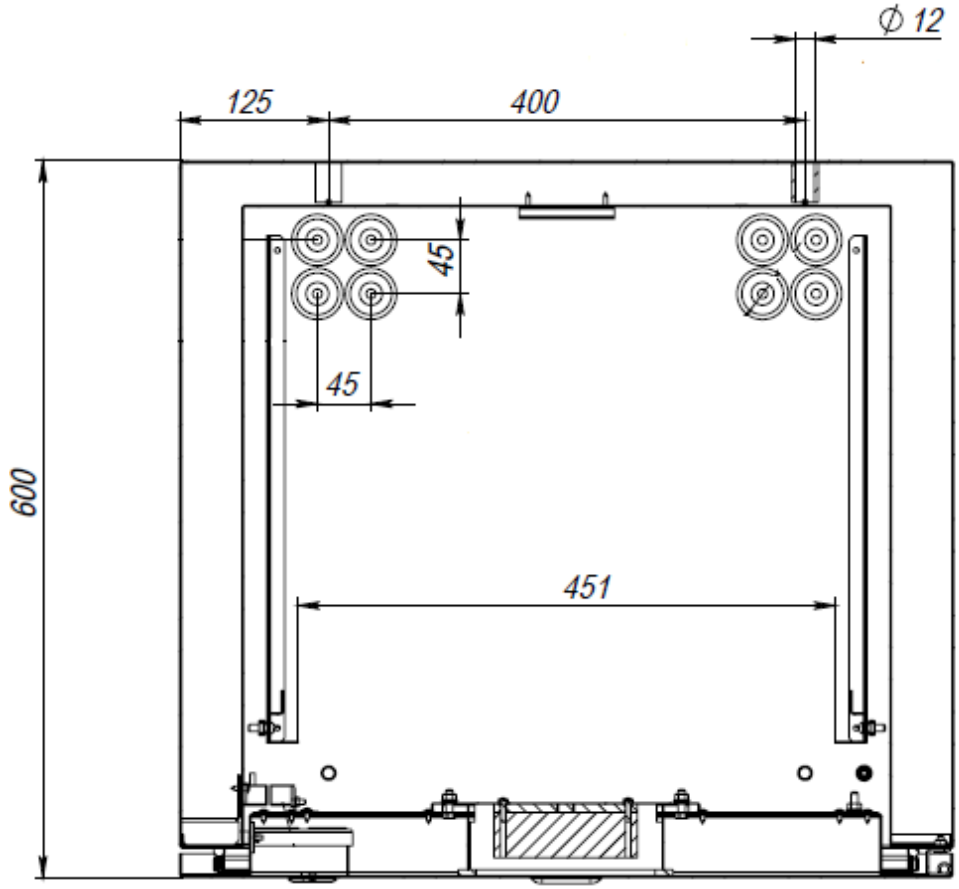
FRONT VIEW

Front elevation, generic for all three models. Overall external width 650 mm. Four Ø12 mm anchor holes for wall fixing, as marked.



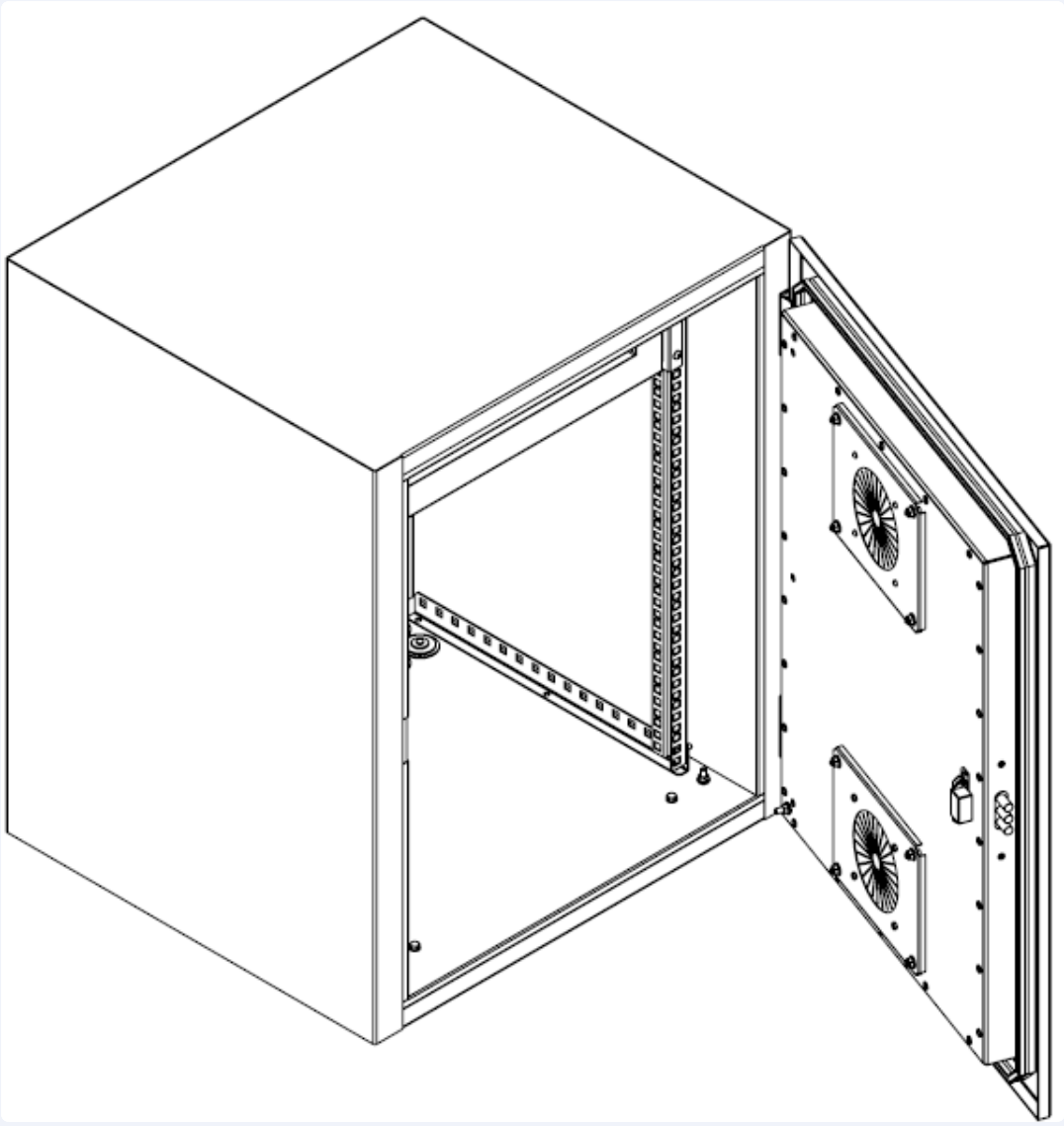
SIDE VIEW

Side elevation, generic for all three models. Marked dimensions: internal depth 450 mm, a 50 mm offset, a 100 mm reference and 438 mm.



TOP VIEW — ROOF REMOVED

Top view with the roof removed, generic for all three sizes. Eight cable-entry holes, each fitted with a stepped rubber grommet, are arranged in two groups. Overall depth 600 mm; the internal opening is 451 mm deep, offset 125 mm and 400 mm as marked. Wall / pole bracket holes Ø12 mm.



GENERAL VIEW

Isometric general view with the door open. Two door-mounted fans and the internal heater are visible, together with the 3U electrical control panel and the 19-inch mounting rails.

5 Equipment and control panel

Factory-installed equipment

Equipment fitted at the factory, with specification and quantity.

Item	Specification	Qty
Cooling Fan	160 m^3/h, 230 V AC	1 pc

Item	Specification	Qty
Dust Filters	Replaceable dust-filter insert, 2–3 mm	2 pcs
Heater	200 W, 230 V AC	1 pc
Door Opening Sensor	Magnetic reed contact sensor	1 pc
Stepped Rubber Grommets	In the base	8 pcs
3U Electrical Control Panel	Occupies the top 3U of the frame	1 pc

3U electrical control panel — components

Components of the factory-fitted 3U electrical control panel, with specification and quantity.

Component	Specification	Qty
Circuit Breaker	1P, 16 A	2 pcs
Circuit Breaker	1P, 6 A	1 pc
Cooling Thermostat	Mechanical	1 pc
Heating Thermostat	Mechanical	1 pc
DIN-Rail Schuko Socket	16 A, 230 V AC	1 pc
DIN-Rail Neutral Busbar	Insulated, 6 × 9 mm, 10 terminals	1 pc

Optional equipment and systems

Optional equipment and systems available for this enclosure, grouped by function.

Group	Includes
Sensors & Monitoring	Flood sensors, smoke sensors, vibration sensors, monitoring systems
Safety Systems	Door status monitoring, alarm signalling devices
Power Distribution & Protection	Additional circuit breakers, surge protection modules, sockets, generator inlet connectors, PDUs
Backup Power	Power supply systems, batteries

6 Standards and certification

- ✓ **2014/35/EU** Low Voltage Directive
- ✓ **2014/30/EU** Electromagnetic Compatibility Directive
- ✓ **EN 60529:1991/A2:2013/AC:2019-02** Degrees of protection provided by enclosures (IP code)
- ✓ **EN 61439-1:2011** Low-voltage switchgear and controlgear assemblies — general rules
- ✓ **EN 61439-3:2012/AC:2019-04** Distribution boards intended to be operated by ordinary persons
- ✓ **EN 62368-1:2014/AC:2015** Audio/video, information and communication technology equipment — safety

7 Colour and ordering

Available finishes

RAL 7035
Light grey

Ordering code

`SN-SZTK-WM-WD-19-[U]U-065-06`

`SN-SZTK`

Series name

`WM`

Wall-mounted

`WD`

Welded construction

`19`

19-inch rack standard

`[U]`

Usable 19-inch equipment height in rack units (frame is 3U taller) — 6, 9, 12

`065`

External width 650 mm (fixed)

`06`

External depth 600 mm (fixed)

EXAMPLE `SN-SZTK-WM-WD-19-9U-065-06`

Fan-Cooled Series outdoor wall-mount enclosure, 9U usable equipment space, 650 mm wide, 600 mm deep, RAL 7035, IP54.

Width and depth are fixed; only the usable rack-unit height varies. There are no door or colour options.

CE · IP54 · EN 60529 · 2014/35/EU · Made in Europe

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