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Deep Networks Group

DATA SHEET
DE-STD · SN-IRON-ODF · Rev. 2026

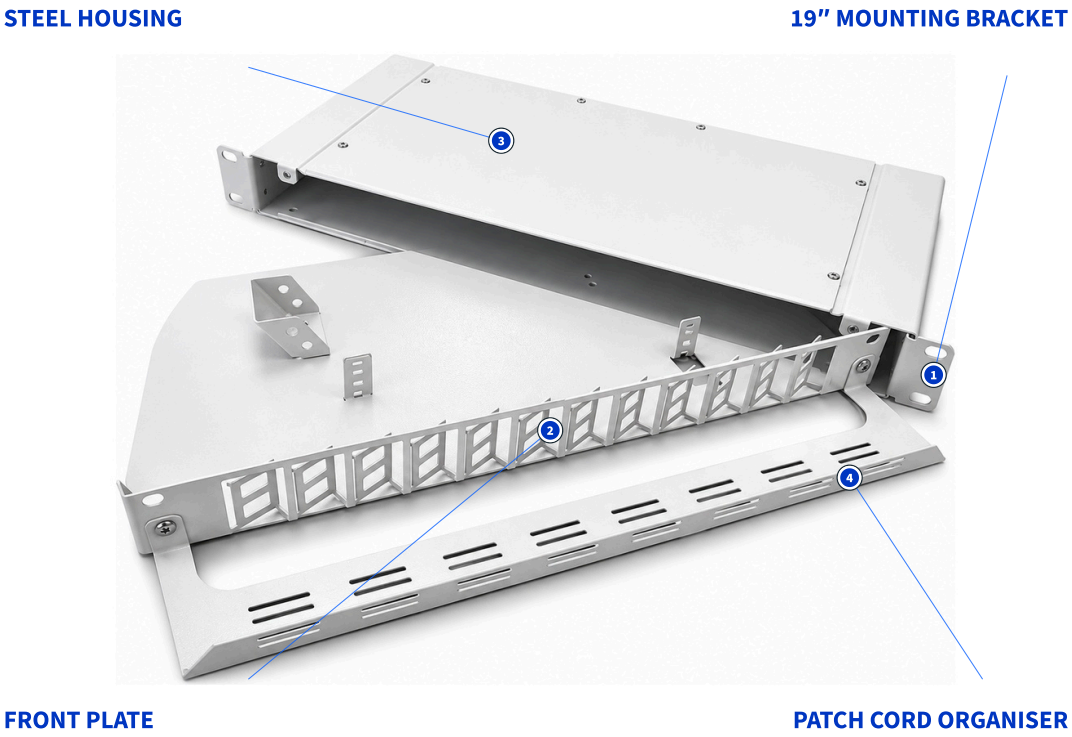
ON THIS PAGE

Overview
Key figures
Key features
Applications and contents
Size and configuration matrix
Technical drawings
Standards and certification
Colour and ordering

RACK ACCESSORIES

SN-IRON-ODF Fiber Optic Distribution Frame

19″ 1U Fiber Optic Distribution Frame with Sliding Base



The Fiber Optic Distribution Frame is designed for the termination, connection and organisation of optical fibers in standard 19-inch telecommunications cabinets and racks.

The steel enclosure features a sliding base with side access for convenient servicing of internal fiber connections. The front plate is integrated with the sliding base, forming a single assembly available in configurations for SC, SC Duplex, LC, LC Duplex and FC adapters.

The housing features cable entry ports at the rear and on one side for flexible cable routing. An internal mounting bracket is provided for a splice tray.

AT A GLANCE

Product type	**Fiber Optic Distribution Frame**
Mounting standard	**19-inch Rack Mount**
Height	**1U**
Construction	**Steel Housing**
Access type	**Sliding Base with Side Access**
Front plate	**Integrated**

NUMBERED DETAILS IN THE PHOTO

1. **19″ Mounting Bracket**
   Provides secure installation in standard 19-inch cabinets and racks.
2. **Front Plate**
   Provides mounting positions for fiber optic adapters.
3. **Steel Housing**
   Protects internal fiber connections and components.
4. **Patch Cord Organiser**
   Provides organised routing of fiber optic patch cords at the front of the panel.

1 Key figures

Rack Standard
19″

Height
1U

Front Plate Adapter Formats
5 types

Side-Access Sliding Base
Sliding

2 Key features

Front Plate	The front plate is integrated with the base and can only be replaced together with it.
Splice Tray Mounting	Dedicated mounting points accommodate a fiber optic splice tray.
Cable Entry Points	Cable entry ports at the rear and on one side of the housing allow flexible cable routing.
Steel Construction	Steel housing provides structural rigidity and protection for internal components.
Patch Cord Management	Provides organised routing of fiber optic patch cords at the front of the panel.
19″ System Compatibility	Mounts directly onto standard 19-inch mounting profiles.
Compact 1U Design	Occupies only 1U of rack space for efficient equipment installation.
Powder-Coated Finish	Durable powder coating protects the steel surface during normal operation.

TYPICAL APPLICATIONS

- Telecommunications Networks
- Fiber Optic Distribution Points
- Data Centres
- FTTx Networks
- Structured Cabling Systems

WHAT'S IN THE BOX

- ODF Housing — 1 pc

- M6 Mounting Kit — 4 pcs
- Flexible PVC Corrugated Conduit, Ø16 mm, 0.5 m — 1 pc
- Plastic Cable Tie, 3.6 × 150 mm — 8 pcs
- Plastic Cable Tie, 7.6 × 300 mm — 4 pcs

COMPATIBLE WITH



Wall cabinet



Floor cabinet



Outdoor cabinet

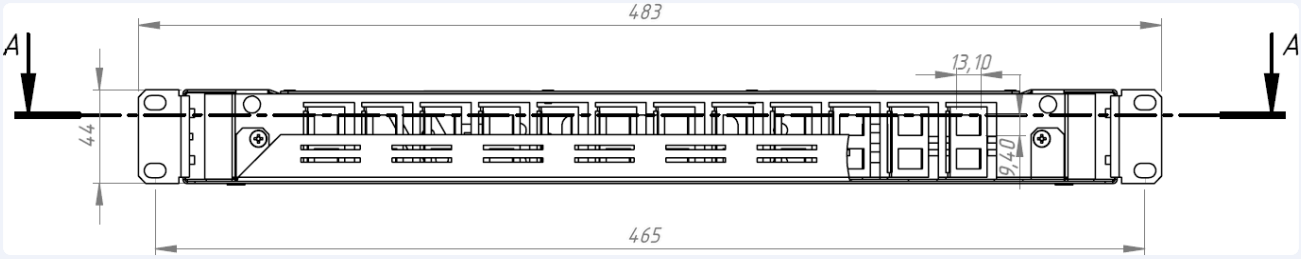
3 Size and configuration matrix

The row lists the SN-IRON-ODF Fiber Optic Distribution Frame model. Columns give external dimensions (width by height by depth), mounting height and net weight.

Model	Dimensions (W × H × D) (mm)	Mounting height	Net weight (kg)
SN-IRON-ODF-19-1U	**483 × 44 × 213** mm	**1U**	3.17 kg

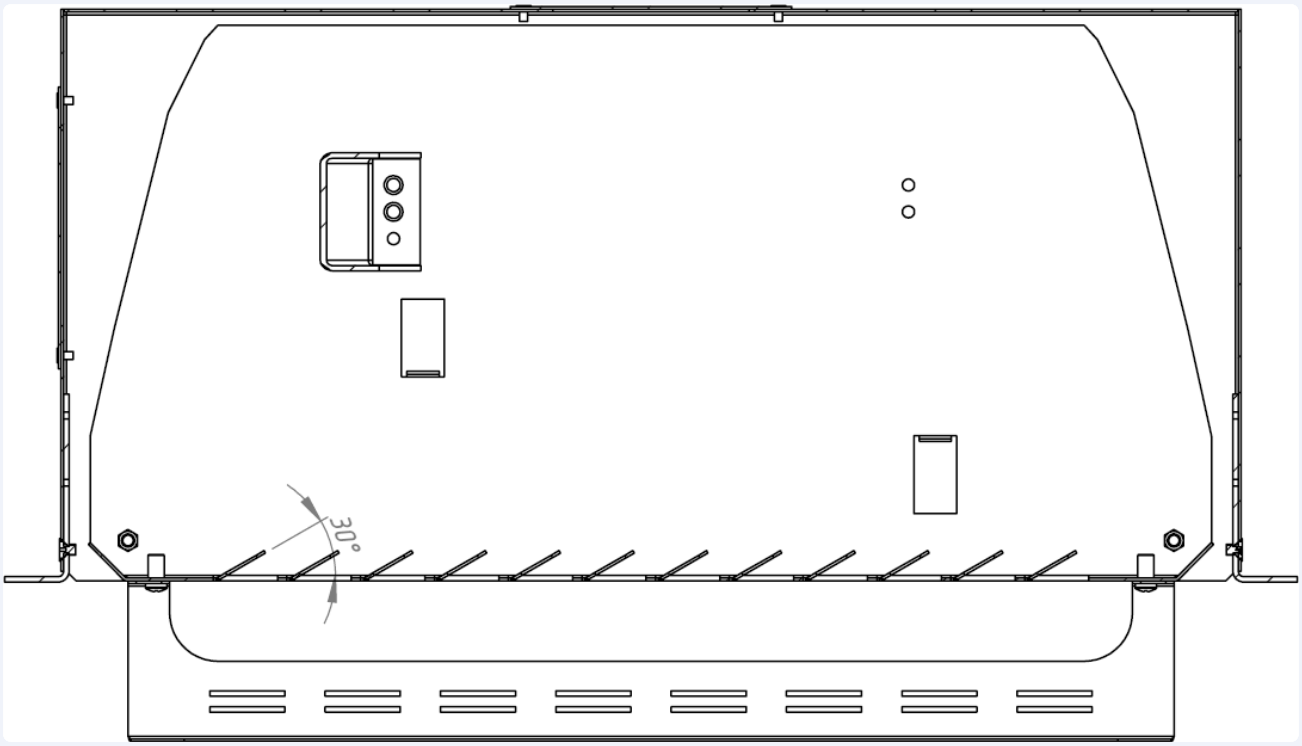
Depth is measured with the 19-inch mounting brackets and without the patch cord organiser (273 mm with the organiser). Dimensions and weight are the same for all front plate adapter formats. The panel is available in RAL 7035 and RAL 9005.

4 Technical drawings



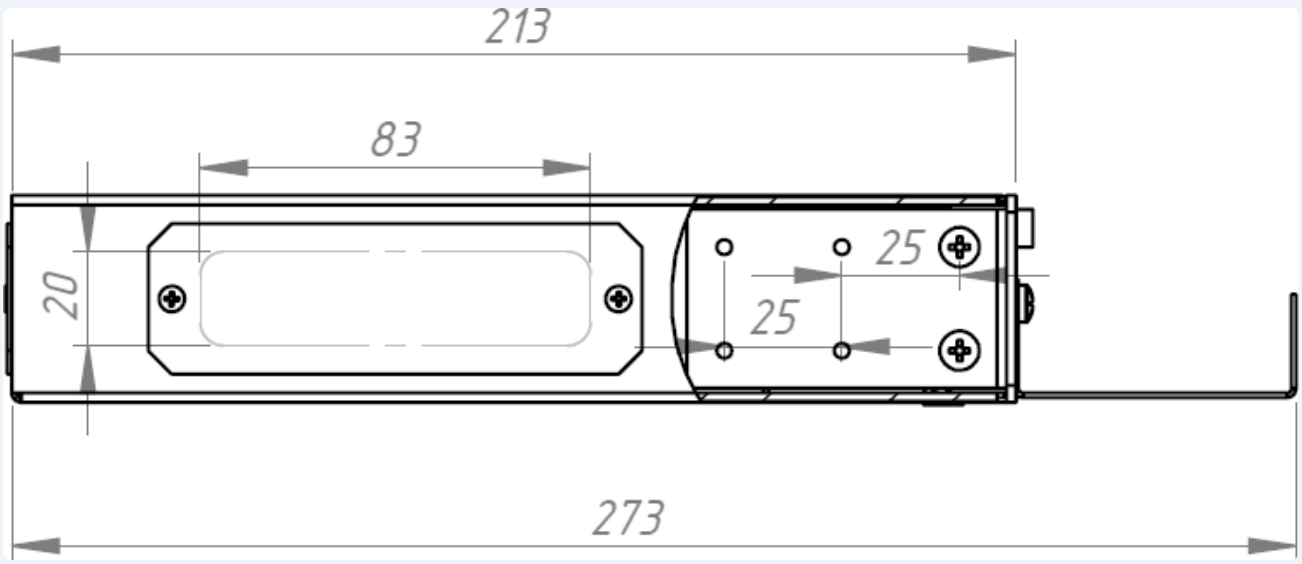
FRONT VIEW

Front view of the 1U model: the steel housing between the 19-inch mounting brackets with their slotted mounting holes, the front plate with a row of adapter cut-outs, and the slotted patch cord organiser below it; the section mark A at both sides. Marked dimensions: overall width 483 mm, 465 mm between the centres of the mounting holes, height 44 mm; two dimensions of the adapter cut-out, 13.1 mm and 9.4 mm, are marked at the right end.



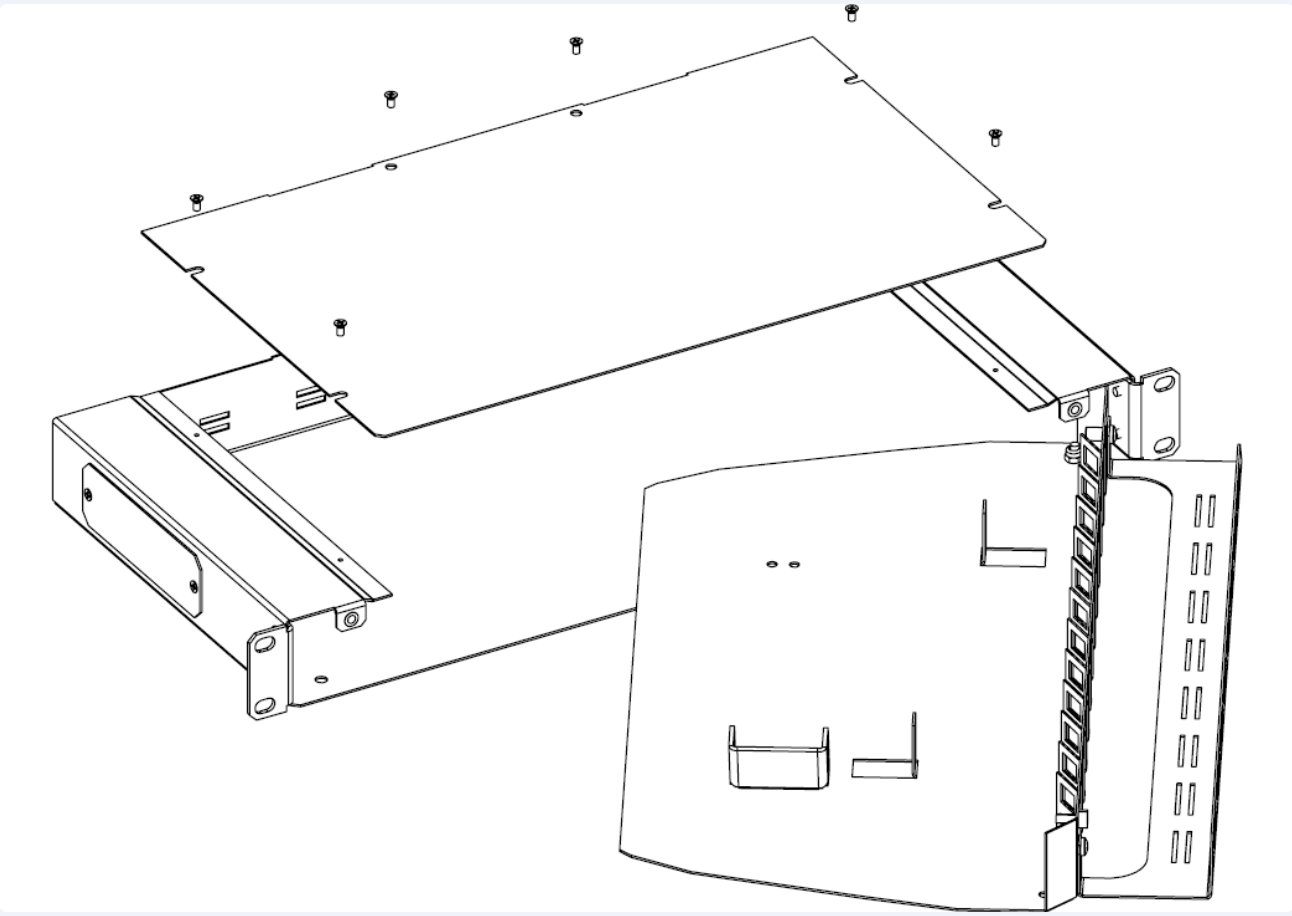
TOP VIEW

Top view of the 1U model with the cover partly cut away: the base with a splice tray bracket, two cable fixing tabs and two small holes, the front plate along the lower edge with its adapter cut-outs set at 30 degrees to the front, and the patch cord organiser below it; the 19-inch mounting brackets at both sides. Only the 30° angle is marked.



SIDE VIEW

Side view of the 1U model: the housing with the oval side cable entry covered by a screwed plate on the left, and the 19-inch mounting bracket with four holes on the right, with the bent patch cord organiser reaching out in front of it. Marked dimensions: depth 213 mm, 273 mm with the organiser; the side cable entry opening 83 × 20 mm; the bracket holes are spaced 25 mm apart in both directions.



GENERAL VIEW

Exploded isometric view of the 1U model: the cover lifted off the housing with its six fixing screws shown separately, the housing with the 19-inch mounting brackets and the side cable entry plate, and the sliding base pulled out with the integrated front plate, the patch cord organiser, a splice tray bracket and two cable fixing tabs. No dimensions are marked.

5 Standards and certification

- ✓ **IEC 60297-1**

  Mechanical structures for electronic equipment — dimensions of the 482.6 mm (19 in) series — part 1: panels and racks
- ✓ **IEC 60297-2**

  Mechanical structures for electronic equipment — dimensions of the 482.6 mm (19 in) series — part 2: assemblies and subracks
- ✓ **EIA-310** Cabinets, racks, panels, and associated equipment

6 Colour and ordering

Available finishes

RAL 7035
Light grey

RAL 9005
Jet black

Ordering code

`SN-IRON-ODF-19-1U-[ADAPTER]-[RAL]`

`SN-IRON-ODF`

Series name

`19`

19-inch rack standard

`1U`

Height 1U

`[ADAPTER]`

Front plate adapter cut-out format — SC, SCDX (SC Duplex), LC, LCDX (LC Duplex) or FC

`[RAL]`

Powder-coat colour — 7035 light grey or 9005 black

EXAMPLE `SN-IRON-ODF-19-1U-SC-7035`

Fiber optic distribution frame, SN-IRON, 19-inch, 1U, SC adapters, RAL 7035 light grey.

IEC 60297 · EIA-310 · Made in Europe

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DeepNet Europe Sp. z o.o.
ul. Szczecińska 16 G, 05-300 Mińsk Mazowiecki, Poland
info@deepnet.pl · deepneteu.app (https://deepneteu.app)