



Data Network Optical Distribution Frame DN-ODF and DN-ODF-C

The multi-talent for patch locations Space-saving but with an exceptional port density

Space is the most valuable, and very scarce, resource in a data center – and standard cabling racks take up a lot of it.

During the last 100 years of telecommunications history, the basic principles behind the main distributor have proven their value as they have gradually evolved. The next logical evolutionary stage for central cabling solutions for data center, campus and building use are the space-saving Data Network Optical Distribution Frame (DN-ODF) and the Data Network Optical Distribution Frame Closable (DN-ODF-C).

Together with the LARO patch panel, the DN-ODF and the DN-ODF-C acts as a high-density patch location with up to 2304 LCD ports per single frame for fiber optic for data center optical fiber cabling.

What is more, both can be used in data centers and IT rooms as a transfer point for network transitions (meet-me room), for example in co-location data centers, or as a main distribution cabinet, intermediate distribution cabinet or zone distribution cabinet in accordance with EN 50173-3, and all of this with an extremely high port density.

DN-ODF and the DN-ODF-C makes use of the concept of the optical fiber main distributor. Thanks to their ability to accommodate very large numbers of cables, these distributors are regularly used in central office, co-location and Edge solutions in the telecommunications sector.

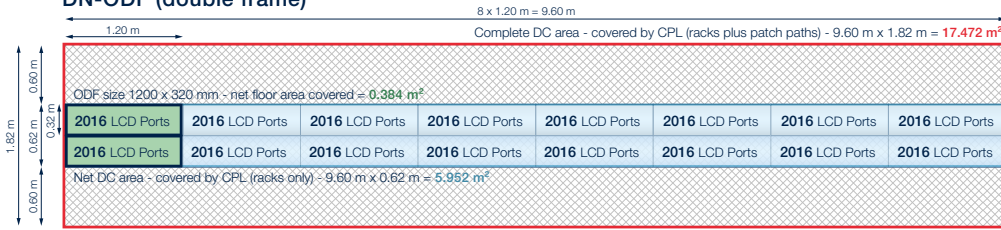
The benefits at a glance

- ✓ Space-saving with up to three times the port density per unit of DC space compared to cable cabinets
- ✓ Efficient operation despite the high density
- ✓ Usage of otherwise unsuitable spaces
- ✓ Secure even with minimally invasive tasks without impacting on neighboring connections
- ✓ Reliable, market-proven concept

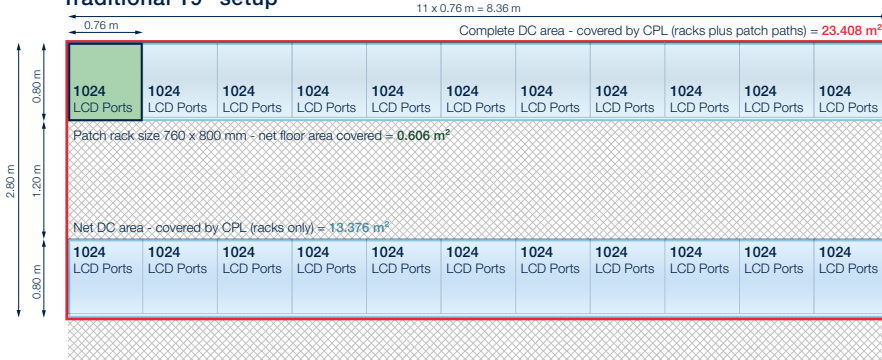
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Example application: Save space with the DN-ODF compared to the 19" setup

DN-ODF (double frame)



Traditional 19" setup



	ODF double frame	19" Setup
Panels	28	4 x 6HU
LCD connections per panel	144	16 x 16
LCD connections per ODF/rack	4032	1024
LCD ports	4032	1024
	per 0.768 m ²	per 0.606 m ²
LCD ports per 1 m ² of net DC surface area	5250	1689
Net CPL density	17.472 m ²	23.408 m ²
LCD ports	8 x 4032	22 x 1024
LCD connections	32256	22528
Height [mm] with cable conduit	2450	2220
without cable conduit	2200	2070

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Technical data and scope of delivery



	DN-ODF-C	DN-ODF	
	Single frame	Single frame	Double frame
Dimensions [height x width x depth in mm]	2183,5 x 1200 x 335	2200 x 1200 x 320	2200 x 1200 x 600
Weight [kg]	100	58	63
Material	steel	Aluminium surround with steel mounting plates	
Cable brackets [units]	according to demand	according to demand	
Grounding connector	variable		
Max. number LARO patch panels	16	14	28
LCD ports/frame	2304	2016	4032
Optional	Splice module panel - Mounting adapter for trunk cables		
Permitted temperature range			
Storage	-25°C to +70°C		
Installation	-5°C to +50°C		



DN-ODF an DN-ODF-C must be fixed to the floor, ceiling or wall.
Two DN-ODF-C can be arranged back to back to represent a double rack function.

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