

# PUDOS

## 19" Rack mount Optical Distribution Frame for Data Centers

### Description:

The PUDOS is an economical rack mountable patch panel for use with manufactured pigtailed, pre terminated cables. The cables are strain-relieved at the rear of the unit.

This prevents damage to fibers prior to routing into couplings. In addition the slide-out shelf allows full access to the internal fiber connection, easy cleaning and connection management. The modular system allows splicing and termination up to 1536 fibers (with SN-MT connectors) in rack height 1U (PUDOS-1).



PUDOS-1-1536-SNMT16 A

### Features:

- Designed for cable or microtubes termination
- Compact robust design
- Slide-out shelf provides unrestricted access
- Changeable front panel, various adapters
- Coupling adapters mounted on the front panel or in CNPM panels
- Accommodates up to 1536 fibers in 1 rack unit
- Durable powder coat finish
- Cable strain-relief and grounding provisions
- Accepts the industry's most common connector types and SN-MT connectors
- Durable powder coat finish colour RAL 7021 Material-Aluminium-magnesium alloy - low weight and shipment costs

### Technical specifications:

PART NUMBER	MAX FIBER CAPACITY		RACK UNITS	DIMENSIONS (HxWxD) mm	SHIP WGT (kg)
	FT-1E-CNPM	FT-24-XX			
PUDOS-1 <sup>1</sup>	1152 <sup>2</sup>	1536 <sup>1</sup>	1	44 x 432 x 350	1.8

1) 1U height

2) Fiber capacity depends on the type of connectors used:  
maximum connected fibers is possible with SN-MT 4CH (16F) adapters

Coupling panels FT series available for the common used connector adapter types in following configuration:

- FT-24-XX 24 holes for SN-MT, MTP/MPO, SC, ... adapters  
FT-1E-CNPM 3 holes for CNPM panels with SN-MT, MTP/MPO, SC, DSC, DLC, QLC, ... adapters  
FT-1L-CAPL 2 holes for CAPL cassettes with 16x SC, DLC, E2 adapters

### Applications:

- 19" 1U Rack-mount
- Data centers
- FTTH networks

Product information and specifications:



PUDOS-1E-864-SNMT12 M



CNPM panel with 6x SNMT12 adapters

Front panels:

FT-1E-CNPM	3 holes for CNPM panels
FT-1L-CAPL	2 holes for CAPL cassettes
FT-24-SNMT16	24 holes for SN-MT 4 channels
FT-24-MTP	24 holes for MTP adaptors

Ordering code:

PUDOS-1(x)

XX

XX(F)<sup>2</sup> (X)

Version
1 Front panel-adapters holes
1E Front panel 3x CNPM panels
1L Front panel-2x CAPL cassettes

Fiber capacity
1 ÷ 1536 fibers

XX - Adapter type	
SNMT16 <sup>3</sup>	SN-MT 4channel (4connectors)
MTP/x-y <sup>4</sup>	MPO/MTP (12F)
SC(F)	SC
DSC(F)	Duplex SC
DLC(F)	Duplex LC
QLC(F)	Quadruplex LC
E2(F)	E2000
(X - Application)	
M	Multimode
S	Singlemode
A	APC

- Types of CNPM panels are described in CMS\_24-01\_EN-CNPM datasheet
- F - Fixed adaptors by screw
- Each SN-MT connector has 12F (MM) or 16F (SM/APC)
- Variants of MPO adapter (details see in ADP\_01-15\_EN-MTP\_adapter datasheet):

x	Type MTP adapter
MTP/O1	SC footprint, flange
MTP/SO	Standard footprint, flange

y - Key orientation	Description
A	Aligned (key up to key up)
O	Opposed (key up to key down)

Note: Recommendation for termination of MPO/MTP cable in ODF:  
Male (pins) are always in back of panel, front side should be female.

PUDOS-1E previews:



PUDOS-1E front view  
Sliding shelf with holes for remove able CNPM coupling panels



PUDOS-1E rear view  
Entry and fixation for up to 24 cables onto sliding shelf

## Termination via PUDOS-1L with CAPL fan-out cassette

Connection of end device by using fan-out CAPL cassette:

- Rear panel SN-MT16 multifiber connector
- Front panel 16x E2000, SC, duplex LC connectors

The system is based on the same DOS cable with 96 fibers, 16 fibers are stored in 6 tubes. One or two tubes terminated with SN-MT16 connectors are connected into SN-MT adaptor at rear panel of CAPL cassette. Internal fan-out from SN-MT16 ensures interconnection to 16 connectors terminated in adaptors at CAPL front panel

PUDOS-1L previews:



*PUDOS-1L-32-E2F A*  
*The view of opened frame*  
*Sliding shelf with two CAPL cassettes*



*PUDOS-1L-32-E2F A*  
*32x E2000/APC adaptors*



*CAPL/F-16S7A-E2 A-SNMT16*  
*Fan-out cassette*