

# PUDOS

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

### Description:

The **PUDOS** is an economical rack mountable patch panel for use with manufactured pigtails, preterminated 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			
<b>PUDOS-1<sup>1</sup></b>	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:

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

<b>SNMT16<sup>3</sup></b>	SN-MT 4 channel (4 ports)
<b>SNMT1P<sup>4</sup></b>	SN-MT 1 channel (1 port)
<b>MTP/x-y<sup>5</sup></b>	MPO/MTP (12F)
<b>SC(F)</b>	SC
<b>DSC(F)</b>	Duplex SC
<b>DLC(F)</b>	Duplex LC
<b>QLC(F)</b>	Quadruplex LC
<b>E2(F)</b>	E2000

#### (X - Application)

<b>M</b>	Multimode
<b>S</b>	Singlemode
<b>A</b>	APC

1) Types of CNPM panels are described in "CMS\_24-01\_EN-CNPM"

2) **F** - Fixed adaptors by screw

3) Each SN-MT connector has 12F (MM) or 16F (SM/APC)

4) Each SN-MT-1P connector has 16F (SM/APC)

5) Variants of MPO adapter is in "ADP\_01-15\_EN-MTP\_adapter"

<b>x</b>	Type MTP adapter
<b>MTP/01</b>	SC footprint, flange
<b>MTP/S0</b>	Standard footprint, flange

<b>y - Key orientation</b>	Description
<b>A</b>	Aligned (key up to key up)
<b>O</b>	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



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

## PUDOS-1 examples of products and using:



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



**PUDOS-1-1536-SNMT16 A**  
*24x SN-MT16 adaptors (4 channels), 1536 fibers*



One splitter 2:128 in PUDOS-1  
**PUDOS-1E-128+2-SNMT/SC A**  
*2x NSC + 8x SNMT1P adaptors*



4 splitters 2:32 in PUDOS-1  
**PUDOS-1E-128+8-SNMT/SC A**  
*8x NSC + 8x SNMT1P adaptors*