#01
MPS01

// Product Information

POLY RACK
TECH-GROUP

Configuration example

The diagram shows a typical MPS01-7 configuration

1. Mechanical parts
2. System manager
3. Wiring
4. Power supplies
5. Backplanes
6. Fans

Surface finishing

– Alodined
– Front panels = front anodized / rear alodined

Technical specifications of system components

Power supplies

Model	Power	Construction	U_{IN}	V1/Imax	V2/Imax	V3/Imax	V4/Imax	V5/Imax	Accreditation
PSU-OF-600-1	600 watts	Open frame	84-264VAC/50Hz	+5V/120A	+12V/10A	-12V/4A	-	-	CE, CSA, UL, VDE

Backplane

Model	Slots	Standards	Bus width	Termination	Daisy chain	P0	System slot	Rear-I/O
VME-J1/J2, 21 slot, IBT, ADC	21	ANSI/VITA 1-1994	32 bit	Inboard	ADC	-	-	-
CPCI-3U, 4 slot, 64 bit ,SR	4	PICMG 2.0R3.0	64 bit	-	-	-	right	-

Fans

Model	Dimensions	Airflow rate	Noise	Note
DC/axial	119x119x32mm	100m³	42dB(A)	MPS01-4
DC/axial	119x119x32mm	140m³	45dB(A)	MPS01-7

System monitor

| Model	Monitoring function			Signaling		Standards	Note
	Speed	Operating voltage	Temperature	Optical	Logical (potential-free contact)		
FM2	●	-	-	●	●	-	
SM2	●	+4.75 -5.25 +11.4 -12.6 -11.4 -12.6 3,135 -3,456	●	●	●	SYS and POWER-FAIL/ SYS-RESET VITA-compliant	Parameterizable and optional RS232 interface *

* Further technical details on request
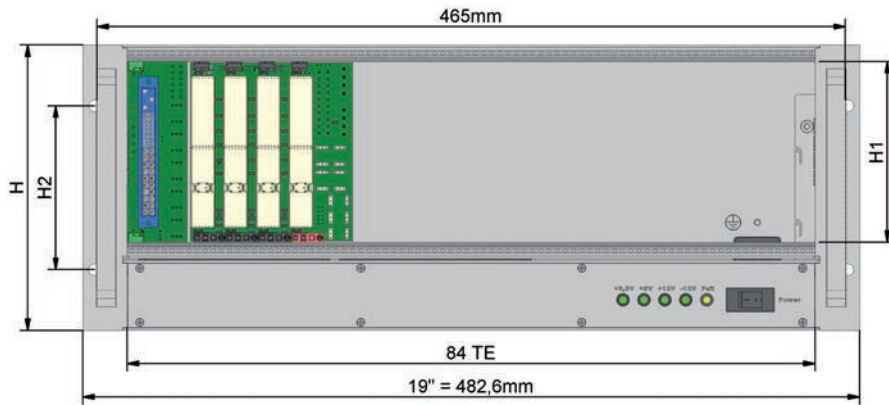
Dimension diagrams

MPS01-4 Front view

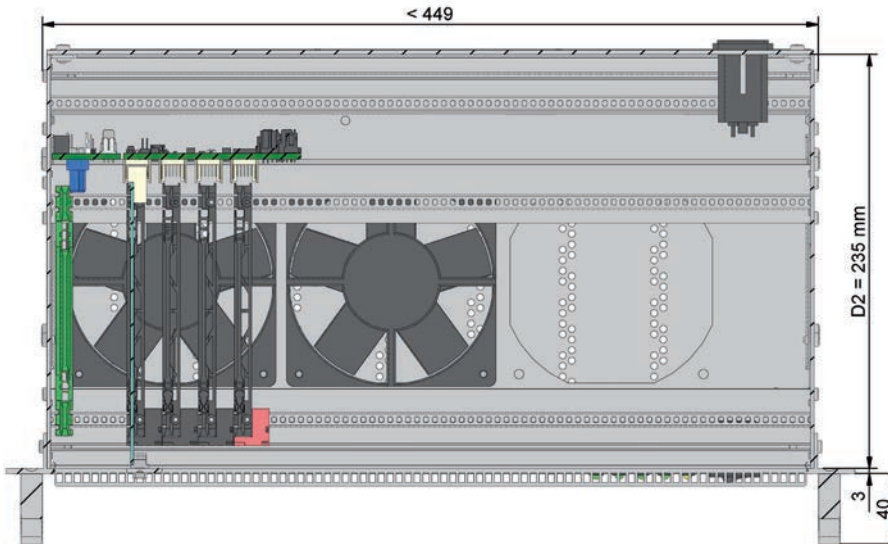Threads in card cage for mounting plug-in modules, etc. = M2.5 / 5.08 mm increments
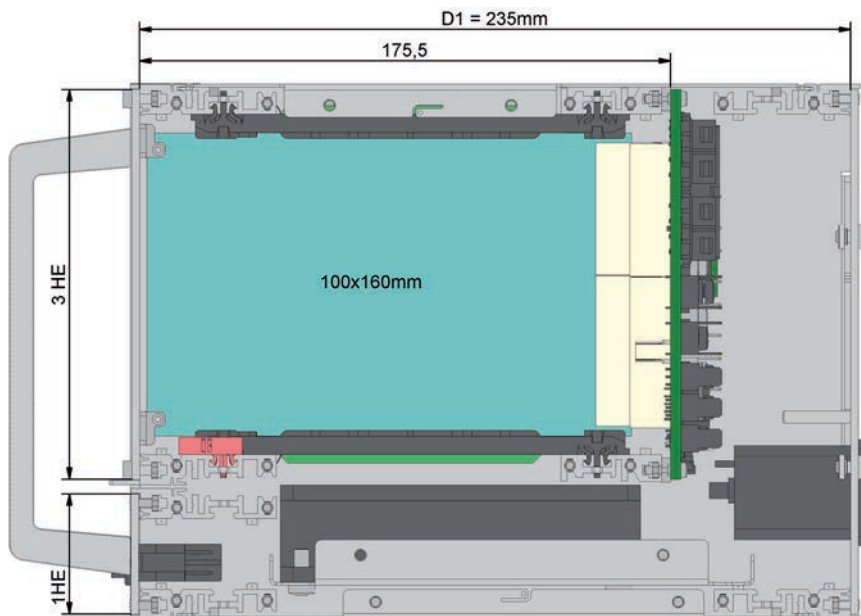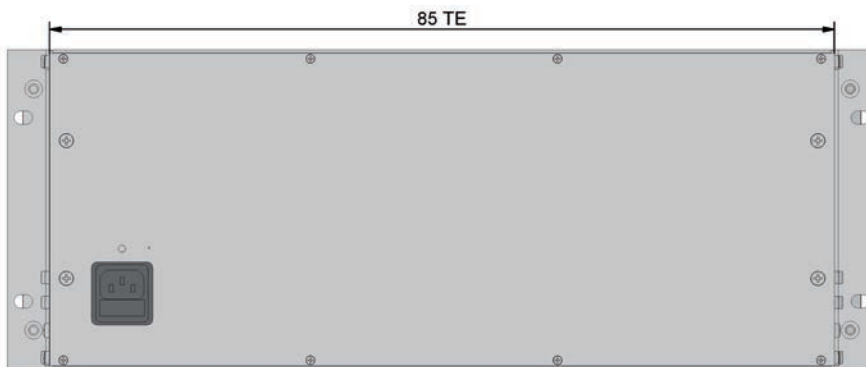
MPS01-4 side view

D1 = internal dimension

// Product Information

MPS01-4 Top view

D2 = mounting depth in 19" rack (without allowance for power components etc.)

< 449

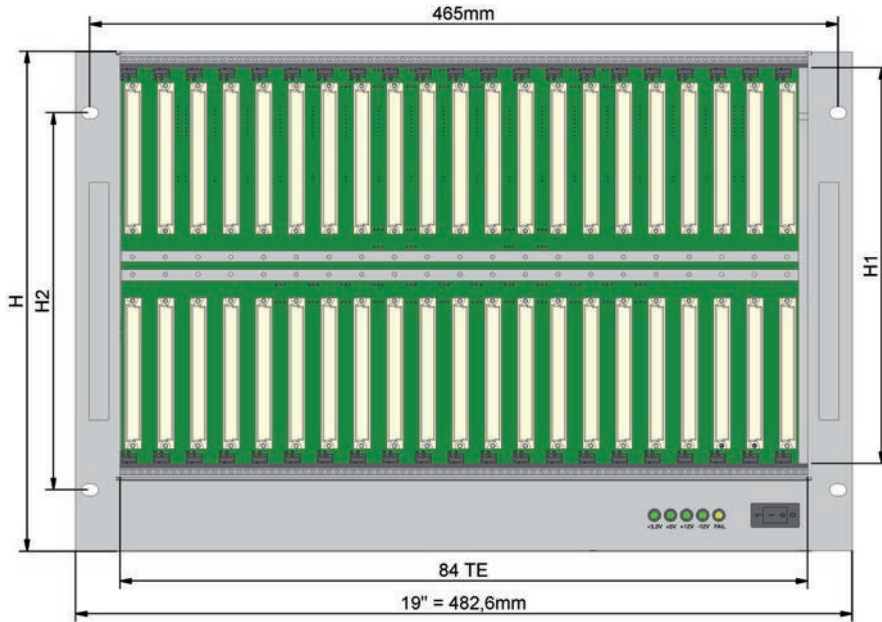D2 = 235 mm

3

40

MPS01-4 Rear view

Threads in card cage for mounting plug-in modules, etc. = M2.5 / 5.08 mm increments

85 TE

465mm

H

H2

H1

84 TE

19" = 482,6mm

MPS01-7 Front view

Threads in card cage for mounting
plug-in modules, etc. = M2.5 / 5.08 mm
increments

D1 = 377mm

175,5

233,35x160mm

6 HE

1 HE
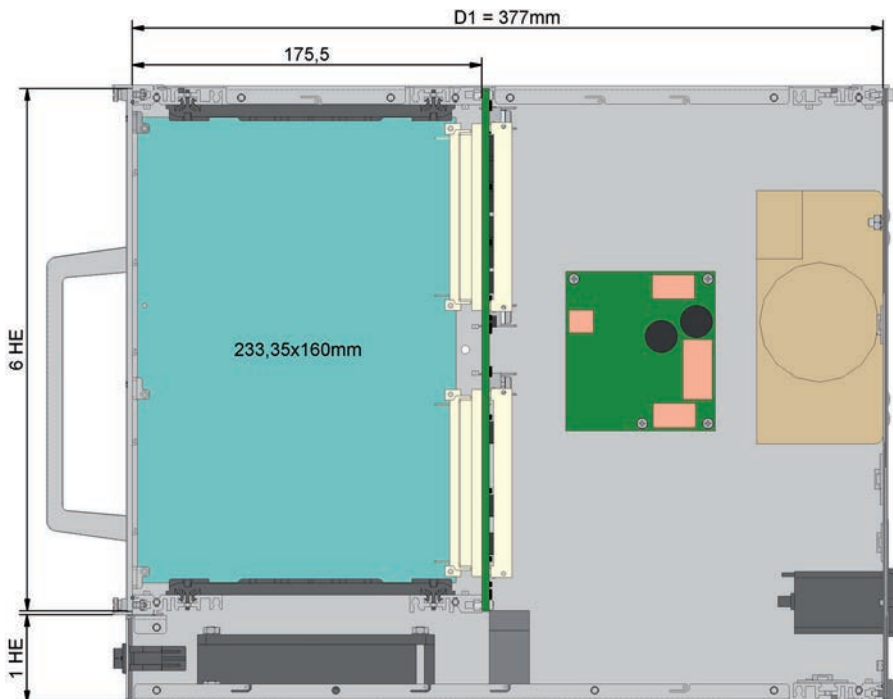
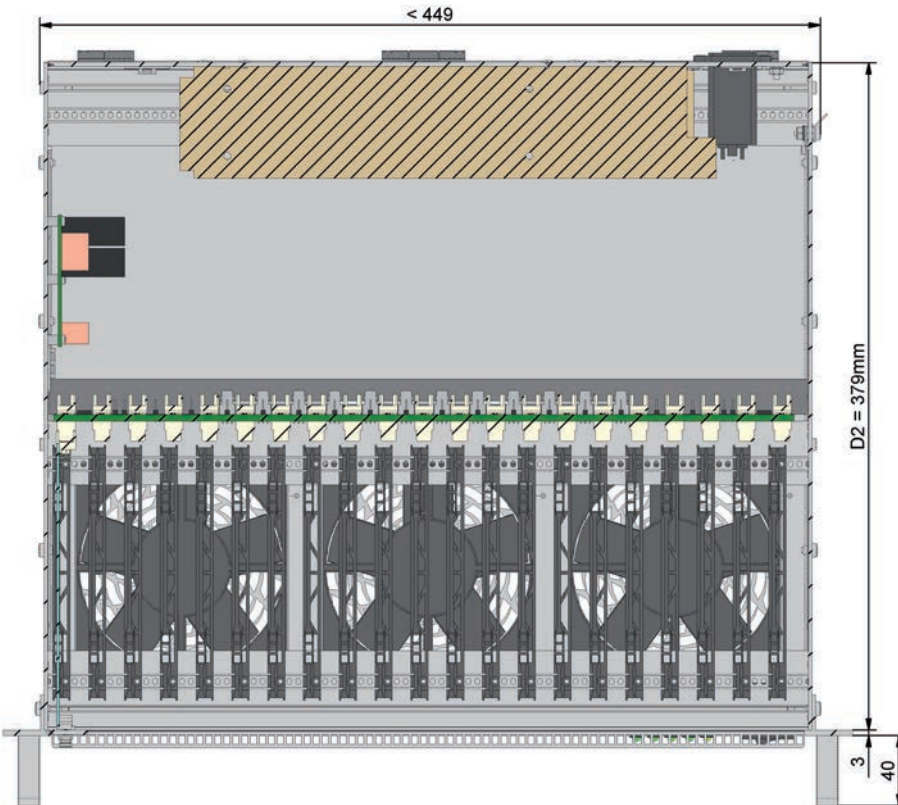**MPS01-7 Side view**

D1 = internal dimension
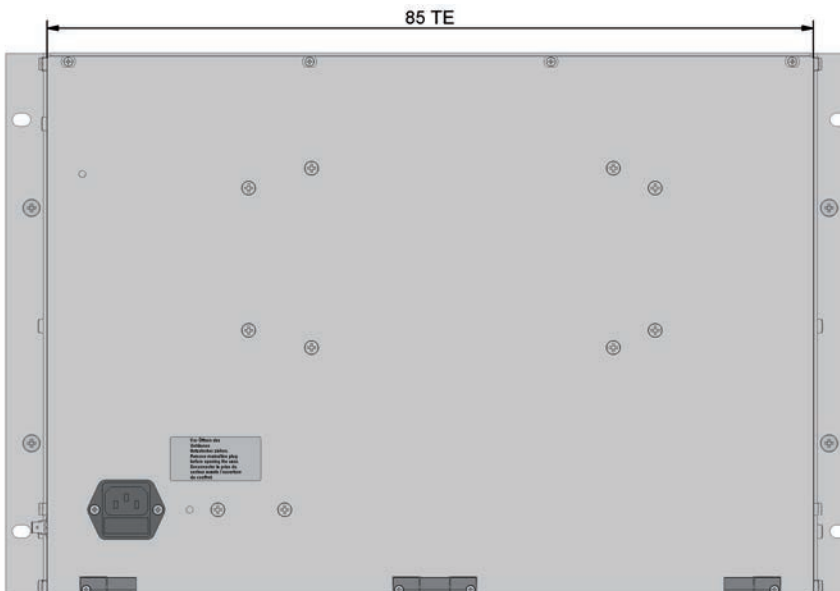
// Product Information

MPS01-7 Top view

D2 = mounting depth in 19" rack (without allowance for power components etc.)

< 449

D2 = 379mm

3

40

85 TE

MPS01-7 Rear view

Threads in card cage for mounting plug-in modules etc. = M2.5 / 5.08 mm increments
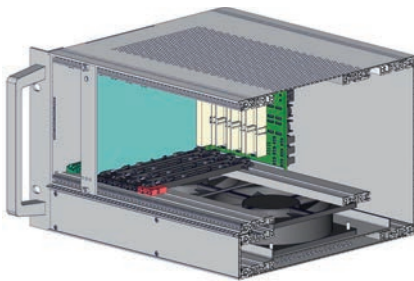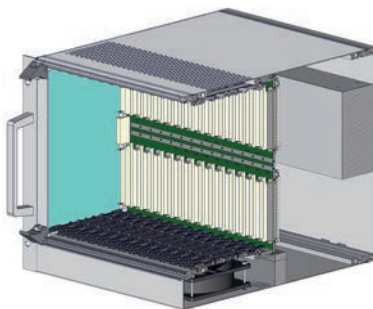
Basic units

The basic units of the MPS01 system platform are based on our subrack series "Future" and vary in height and configuration.

Features of the basic units

MPS01-4

Basic unit MPS01-4 is suitable for configuration with boards in Eurocard format (100x160 mm).
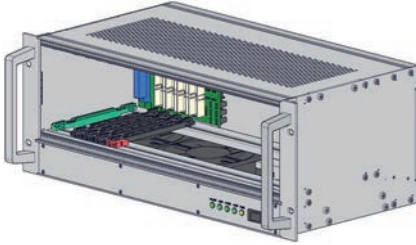
MPS01-7

Basic unit MPS01-7 is suitable for configuration with boards in double Eurocard format (233.35x160 mm).

// Basic Units

MPS01-4

Scope of delivery	
Mechanical parts	1 pc
Backplanes	1 pc
System monitor (SM2)	1 pc
Power adapter	1 pcs
Fans	2 pcs
Wiring	1 pc
LED display	1 pc
IEC line filter module	1 pc
ON/OFF switch	1 pc

Delivery form

Fully assembled and functionality and safety tested

Note

– Individually configurable with e.g. other backplanes, power supplies, etc.
– Power supply must be ordered separately (see chapter "Accessories / 19" power supplies")

MPS01-7

Scope of delivery	
Mechanical parts	1 pc
Backplanes	1 pc
Power supply	1 pc
System monitor (SM2)	1 pc
Fans	3 pcs
Wiring	1 pc
LED display	1 pc
IEC line filter module	1 pc
ON/OFF switch	1 pc

Delivery form

Fully assembled and functionality and safety tested

Note

– Individually configurable with e.g. other backplanes, power supplies, etc.