#01 POLYRACK TECH-GROUP
MPS02

// Product Information

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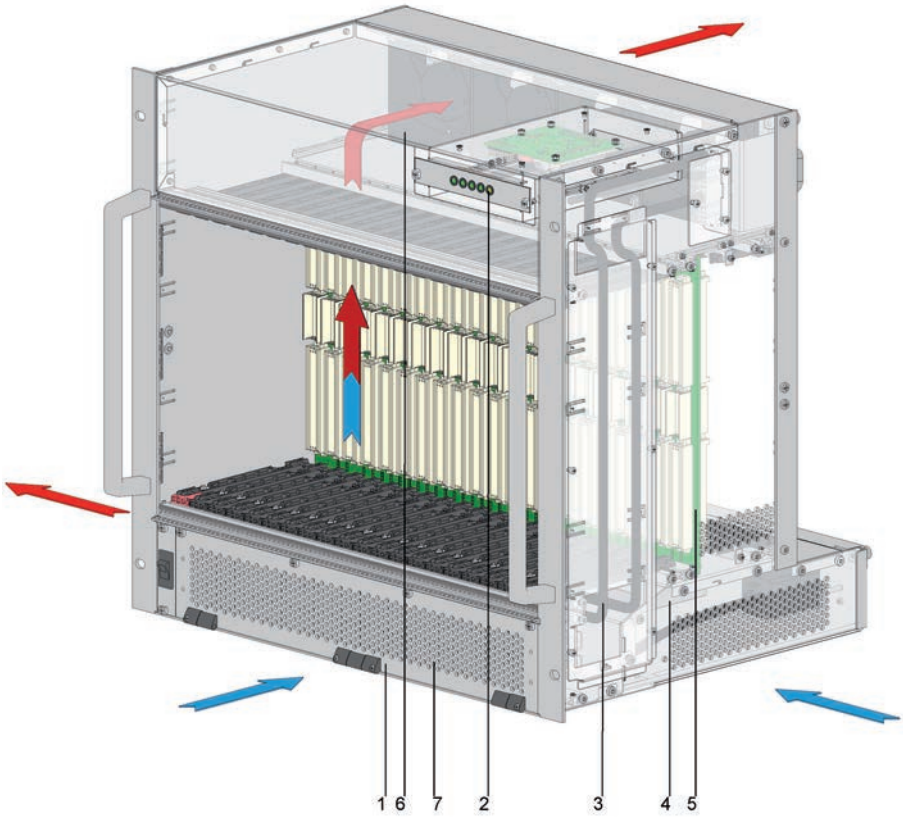

Configuration example

The diagram shows a typical MPS02-2 configuration

1. Mechanical parts
2. System manager *
3. Wiring
4. Power supplies
5. Backplanes
6. Fans
7. Dust filter mat

* Can also be configured with system monitor SMC2 COM or SMC2 WEB, see "Accessories / System manager" chapter

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- 800-1	800 watts	Open frame	84-264VAC/50Hz	+5V/120A	+3.3V/40A	+12V/10A	-12V/4A	-	CE, CSA, UL, VDE

Backplane

Model	Slots	Standards	Bus width	Termination	Daisy chain	P0	System slot	Rear-I/O
VME64, 21 slot, IBT, EADC	21	ANSI/VITA 1.1-1997	64 bit	Inboard	EADC	●	-	●

Fans

Model	Dimensions	Airflow rate	Noise	Note
DC/axial	90x90x25mm	100m³	45dB(A)	MPS02-10-1 and MPS02-10-1

System monitor

Model	Monitoring function			Signaling		Standards	Note
	Speed	Operating voltage	Temperature	Optical	Logical (potential-free contact)		
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

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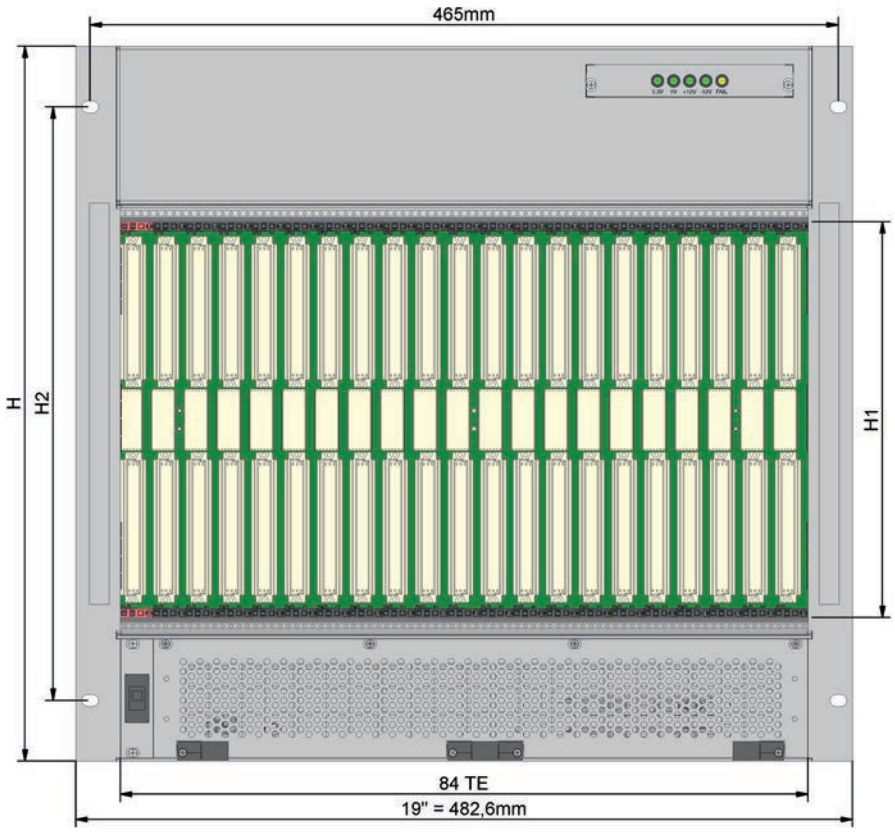
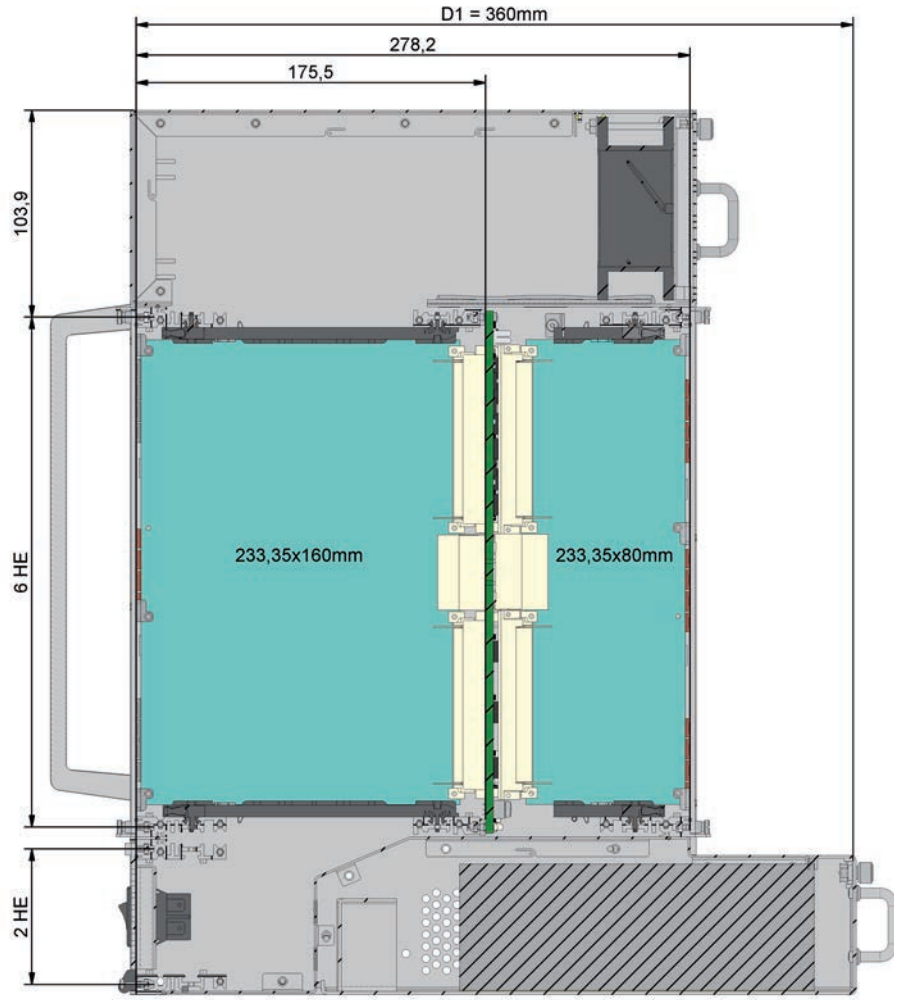


Dimension diagrams

MPS02-10-1 Front view

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



MPS02-10-1 Side view

D1 = internal dimension

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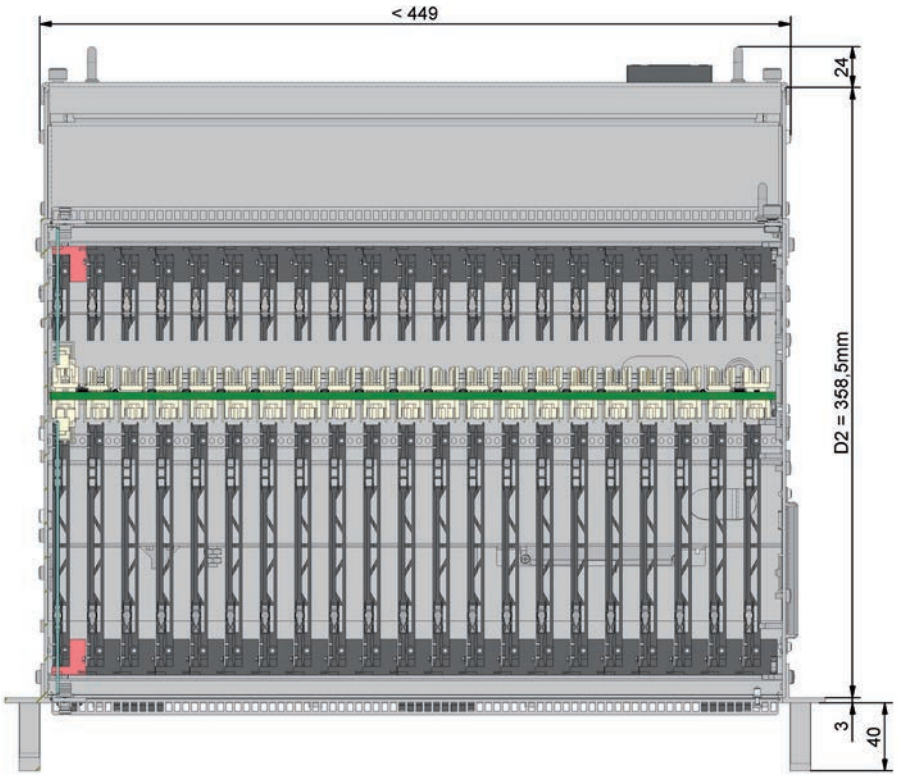
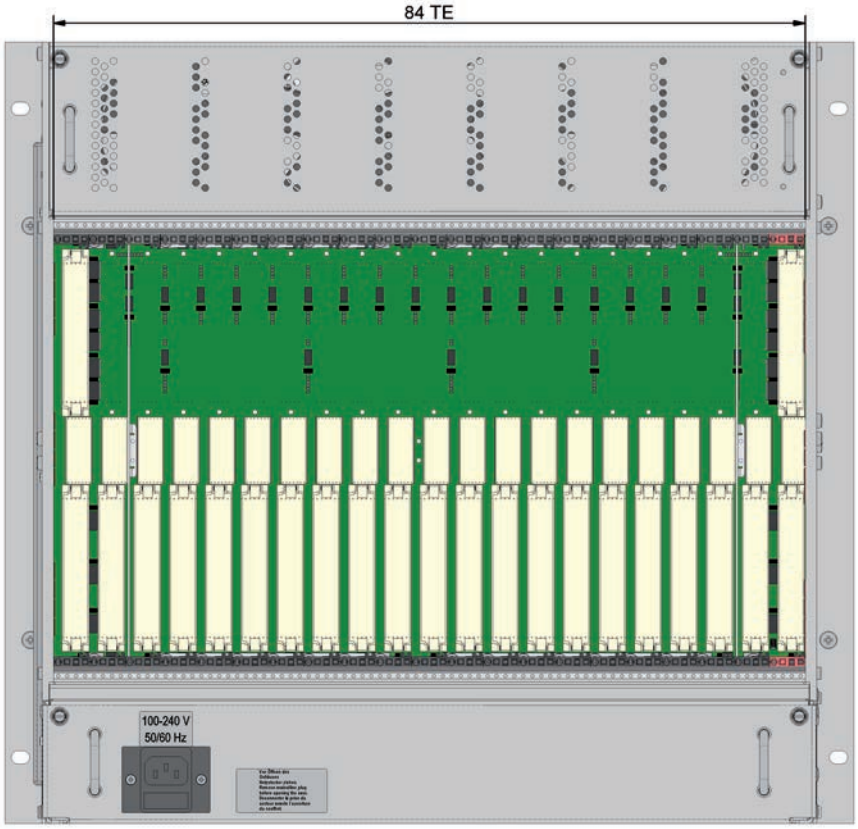


MPS02-10-1 Top view

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



MPS02-10-1 Rear view

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

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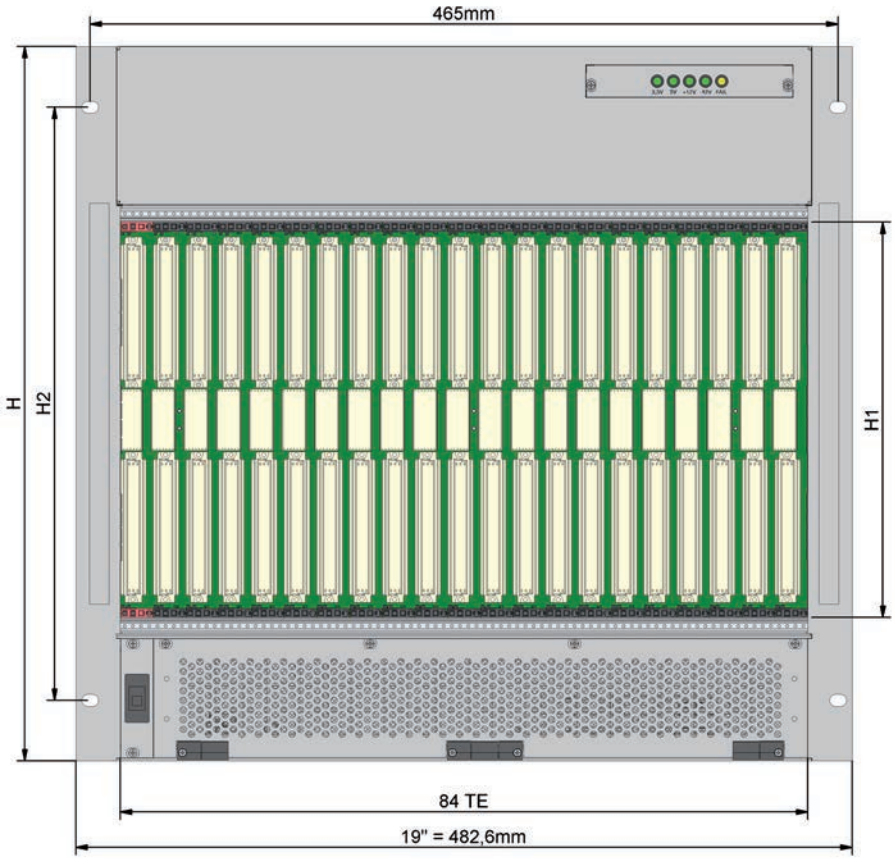
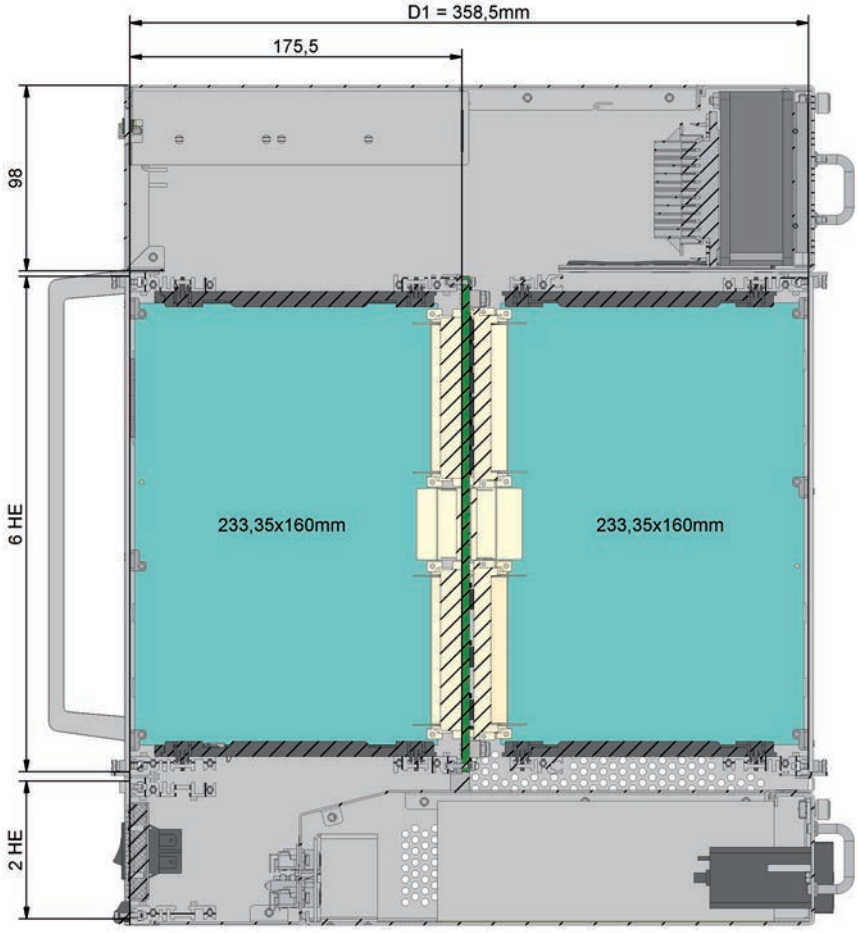


MPS02-10-2 Front view

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



MPS02-10-2 Side view

D1 = internal dimension

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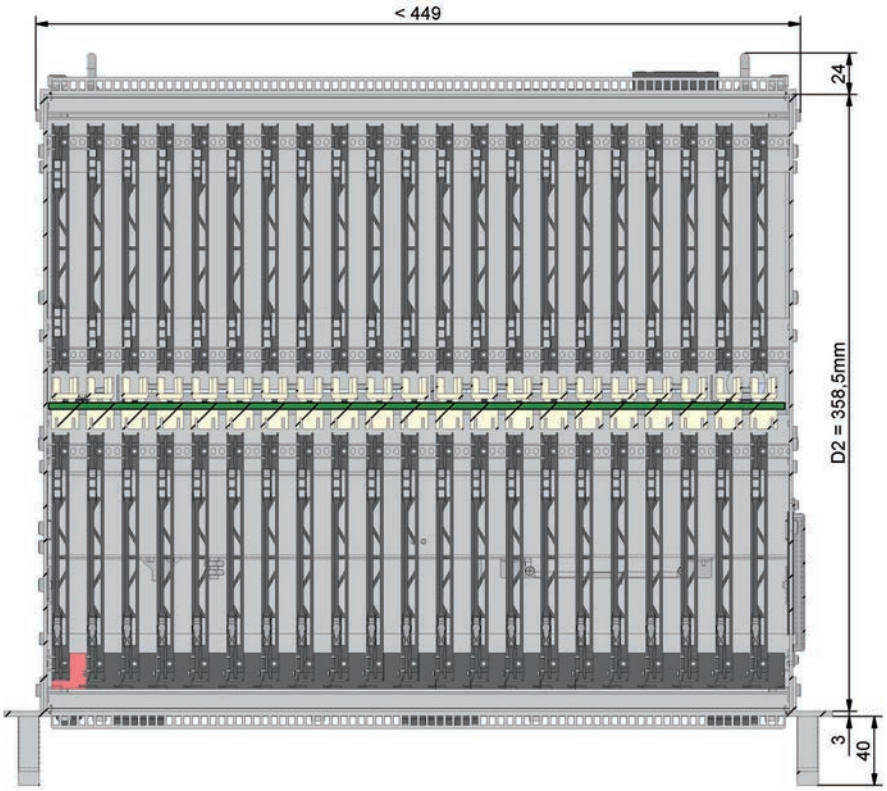
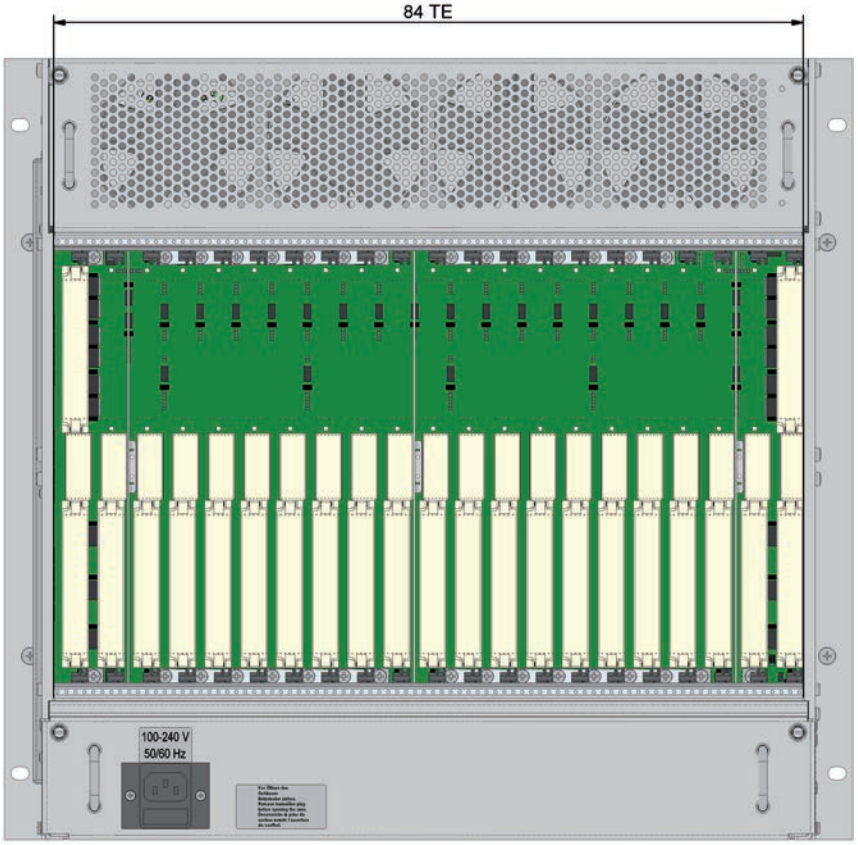


MPS02-10-2 Top view

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



MPS02-10-2 Rear view

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

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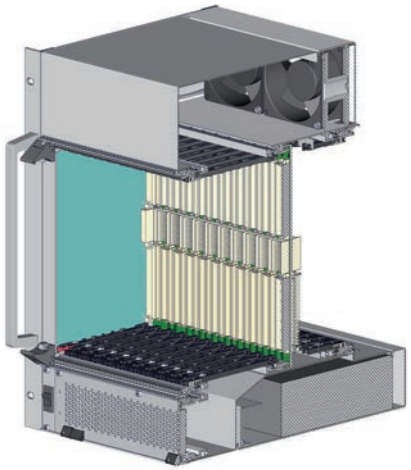
Basic Units

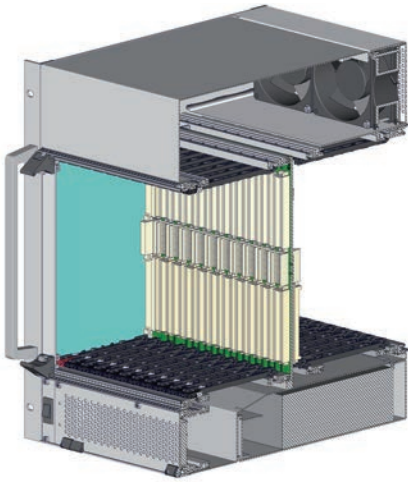
The basic units of the MPS02 system platform are based on our subrack series "Future" and vary with regard to their configuration.



Features of the basic units

MPS02-10-1

Basic unit MPS02-10-1 is suitable for configuration with boards in double Eurocard format (233.35x160mm) and with additional Rear-I/O (233.35x80mm).



MPS02-10-2

Basic unit MPS02-10-2 is suitable for configuration with boards in double Eurocard format (233.35x160mm) with additional Rear-I/O (233.35x160mm).

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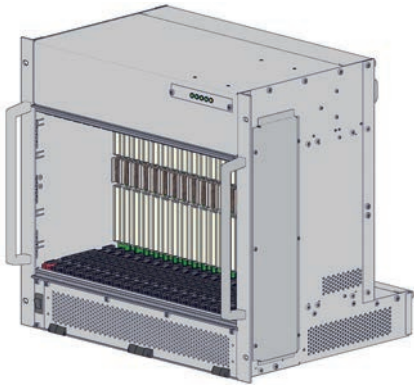
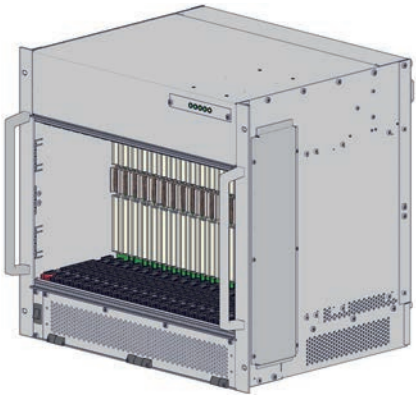
// Basic Units



MPS02-10-1

Scope of delivery		Delivery form
Mechanical parts	1 pc	Fully assembled and functionality and safety
Backplanes	1 pc	tested
System monitor (SM2)	1 pc	
Power supply	1 pc	**Note**
Fans	4 pcs	– Individually configurable with e.g. other
Wiring	1 pc	backplanes, power supplies, etc.
LED display	1 pc	– System monitor, power supply and fan are
IEC line filter module	1 pc	exchangeable modules
ON/OFF switch	1 pc	– Please observe maintenance schedule for
Dust filter mat	1 pc	dust filter mat (for replacement filter mats see "Accessories/ Dust filter mat")



MPS02-10-2

Scope of delivery		Delivery form
Mechanical parts	1 pc	Fully assembled and functionality and safety
Backplanes	1 pc	tested
Power supply	1 pc	
Fans	4 pcs	**Note**
Wiring	1 pc	– Individually configurable with e.g. other
LED display	1 pc	backplanes, power supplies, etc.
IEC line filter module	1 pc	– Power supply and fan are exchangeable
ON/OFF switch	1 pc	modules
Dust filter mat	1 pc	– Please observe maintenance schedule for dust filter mat (for replacement filter mats see "Accessories/ Dust filter mat")