

#01

POLYRACKTECH-GROUP

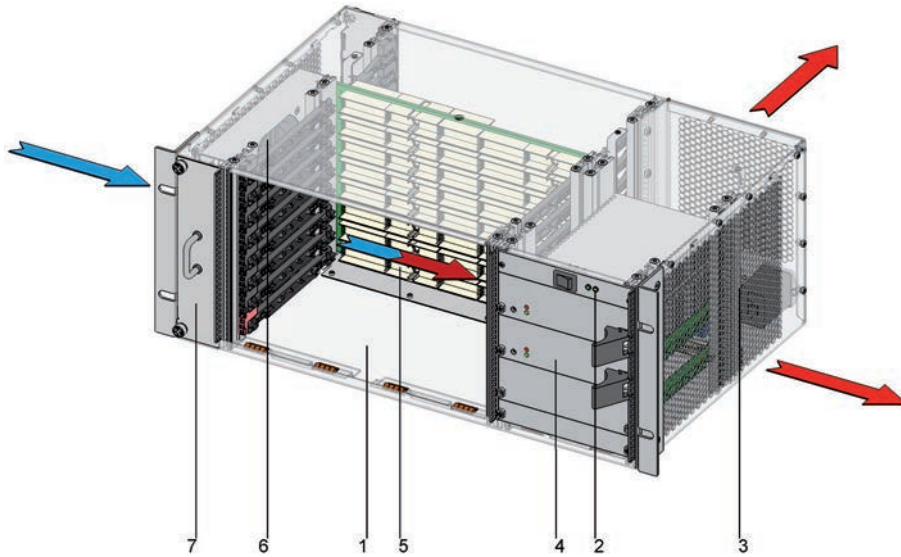
MPS03

// Product Information



//02 SYSTEME MPS03

// Product Information



Configuration example

The diagram shows a typical MPS03-4 configuration

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

Parts marked with * are not included in the scope of delivery of the basic unit, i. e. must be ordered separately.

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-PC-300-1	300 watts	2 U IPC	84-264VAC/50Hz	+5V/30A	+3.3V/28A	+12V/15A	-12V/0.8A	+5Vstby/2,0A	CE, CSA, UL, VDE

Backplane

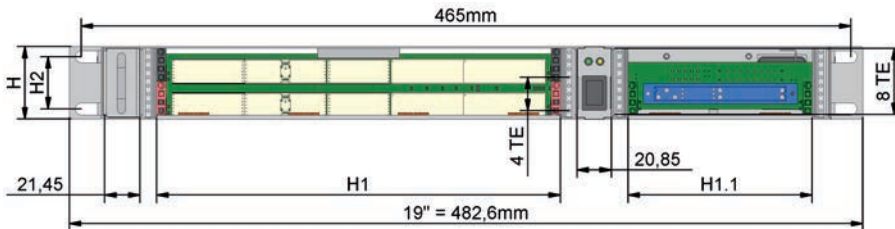
Model	Slots	Standards	Bus width	Termination	Daisy chain	P0	System slot	Rear-I/O
CPCI-6,5U, 2 slot, 64 bit, SL	2	PICMG 2.0R3.0	64 bit	-	-	-	left	●
CPCI-6,5U, 4 slot, 64 bit, SL	4	PICMG 2.0R3.0	64 bit	-	-	-	left	●
CPCI-6,5U, 6 slot, 64 bit, SL	6	PICMG 2.0R3.0	64 bit	-	-	-	left	●
CPCI-6,5U, 8 slot, 64 bit, SL	8	PICMG 2.0R3.0	64 bit	-	-	-	left	●

Fans

Model	Dimensions	Airflow rate	Noise	Note
DC/axial	40x40x25mm	60m ³	45dB(A)	MPS03-1
DC/axial	80x80x25mm	84m ³	45dB(A)	MPS03-2
DC/axial	90x90x25mm	100m ³	45dB(A)	MPS03-3
DC/axial	90x90x25mm	140m ³	45dB(A)	MPS03-4

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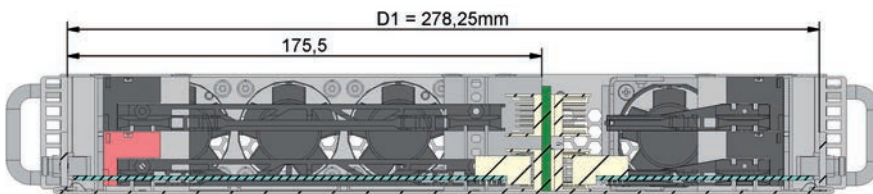
// Product Information



Dimension diagrams

MPS03-1 Front view

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

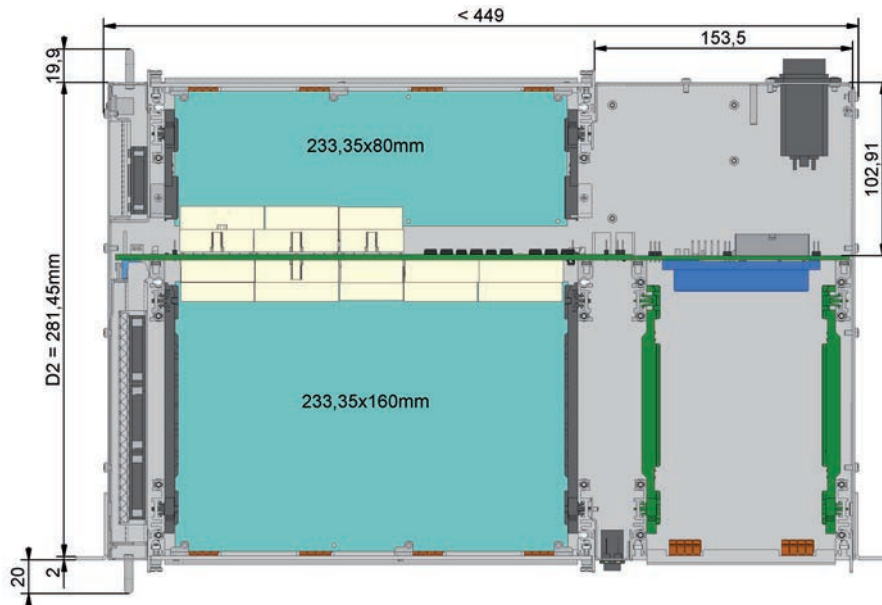


MPS03-1 Side view

D1 = internal dimension

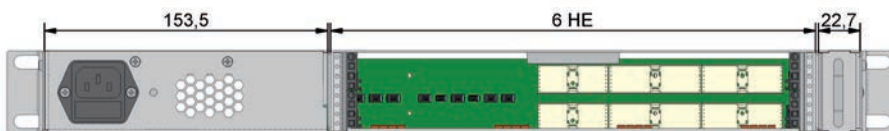
//02 SYSTEME MPS03

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MPS03-1 Top view

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

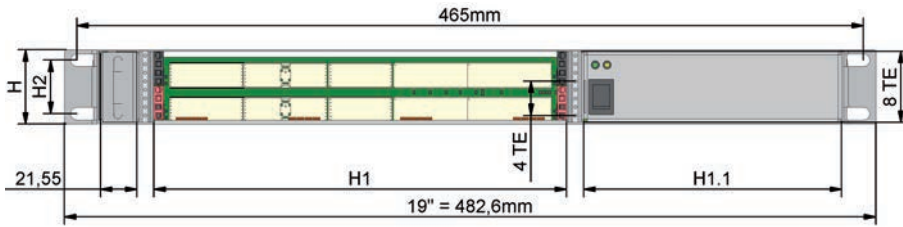


MPS03-1 Rear view

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

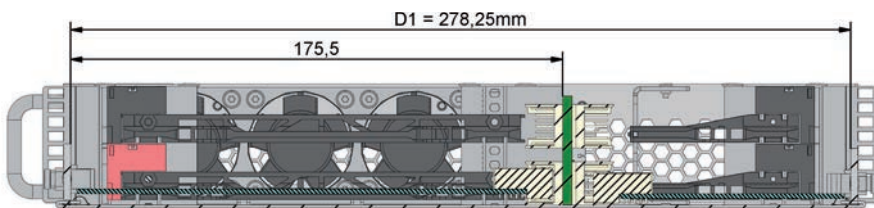
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MPS03-1-ATX Front view

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

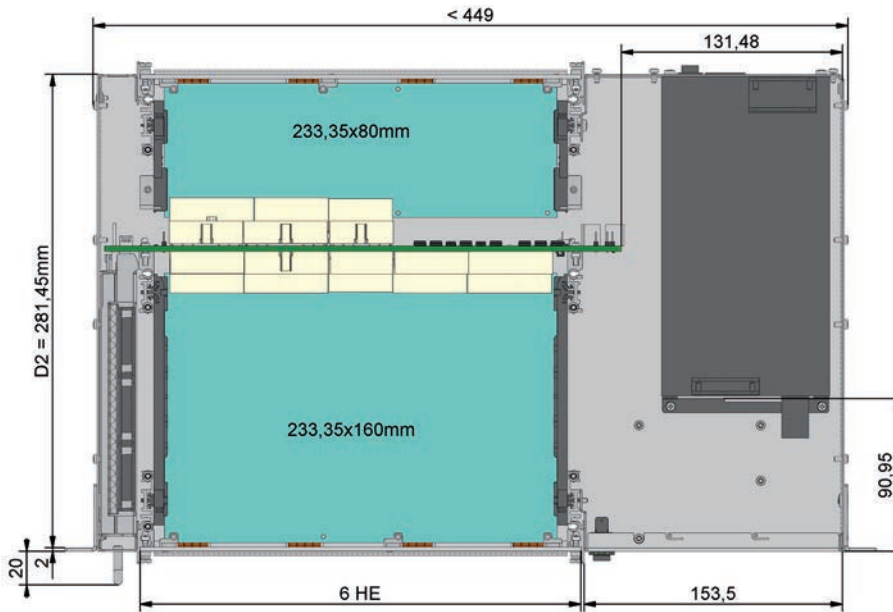


MPS03-1-ATX Side view

D1 = internal dimension

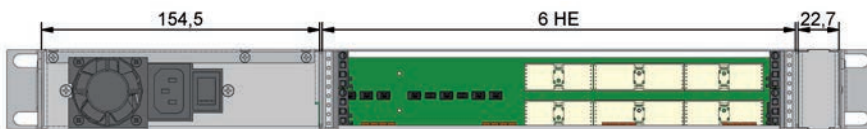
//02 SYSTEME MPS03

// Product Information



MPS03-1-ATX Top view

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

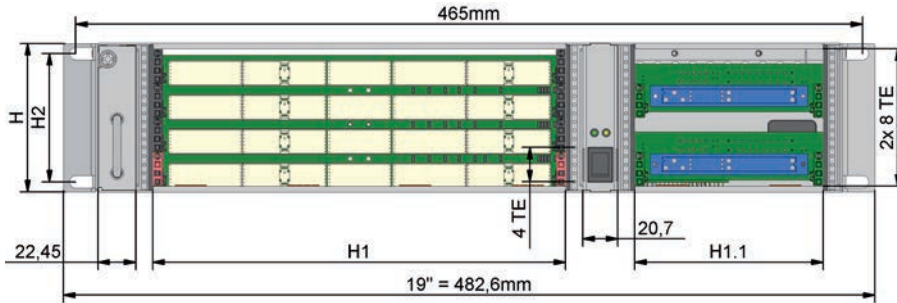


MPS03-1-ATX Rear view

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

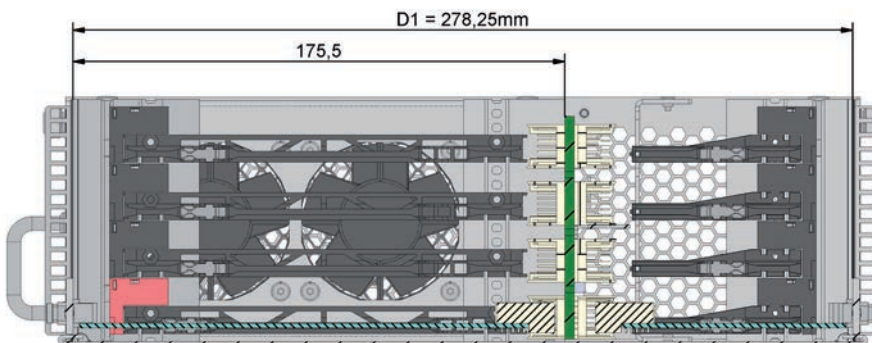
//02 SYSTEME MPS03

// Product Information



MPS03-2 Front view

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

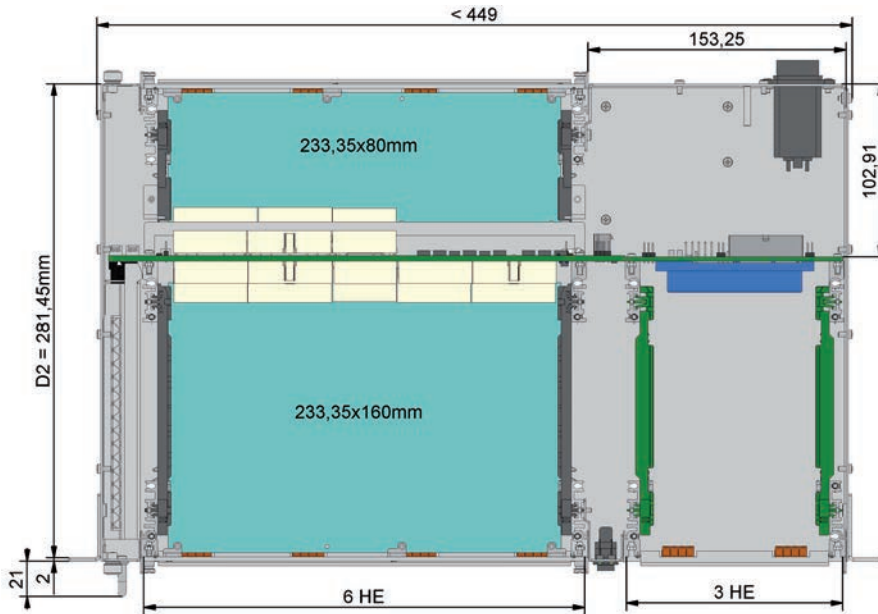


MPS03-2 Side view

D1 = internal dimension

//02 SYSTEME MPS03

// Product Information



MPS03-2 Top view

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

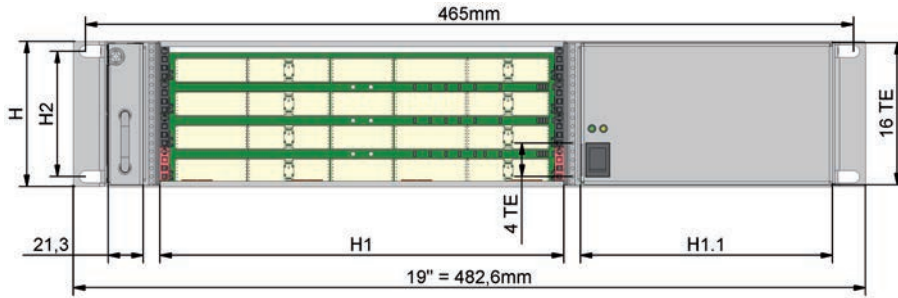


MPS03-2 Rear view

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

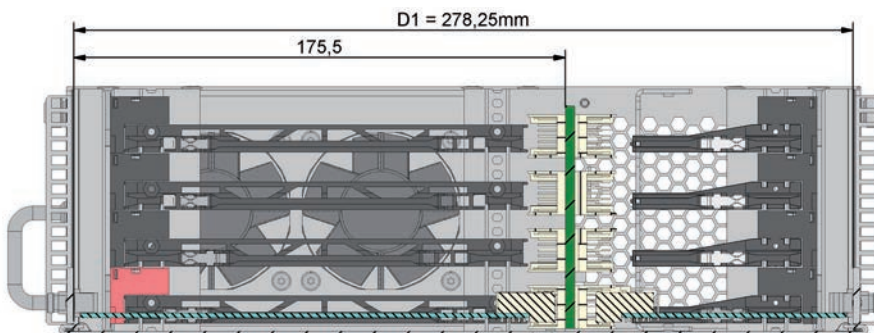
//02 SYSTEME MPS03

// Product Information



MPS03-2-ATX Front view

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

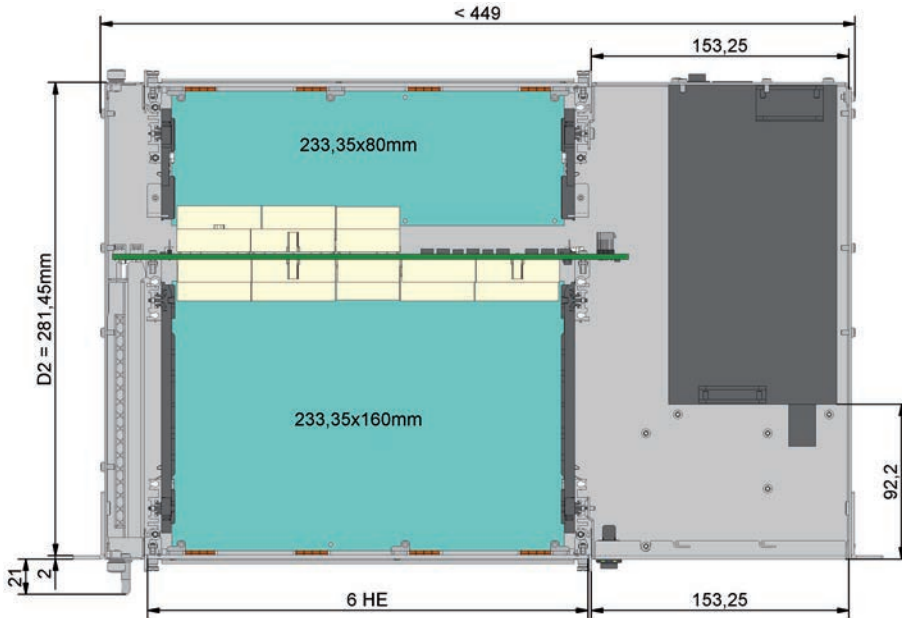


MPS03-2-ATX Side view

D1 = internal dimension

//02 SYSTEME MPS03

// Product Information



MPS03-2-ATX Top view

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

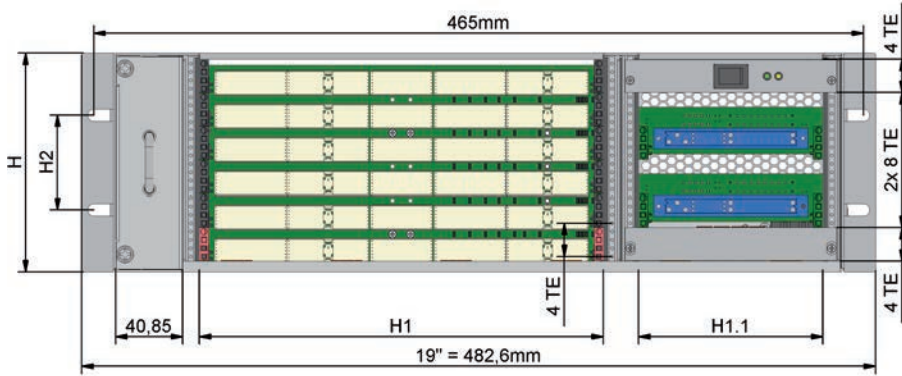


MPS03-2-ATX Rear view

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

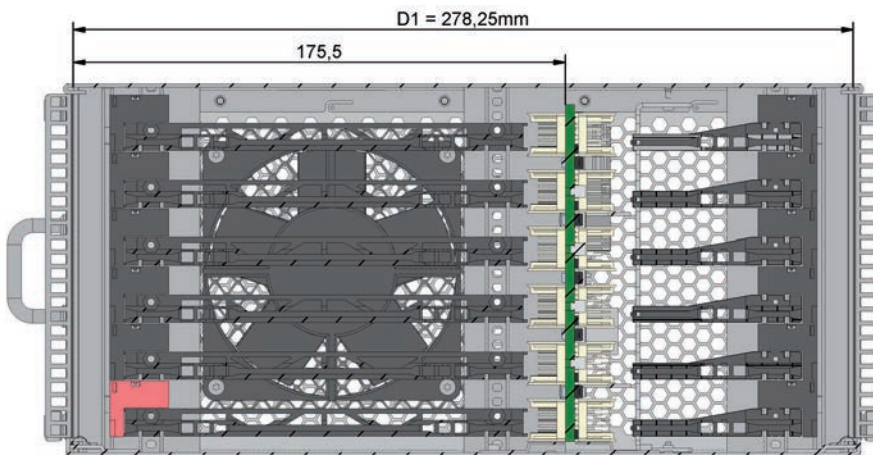
//02 SYSTEME MPS03

// Product Information



MPS03-3 Front view

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

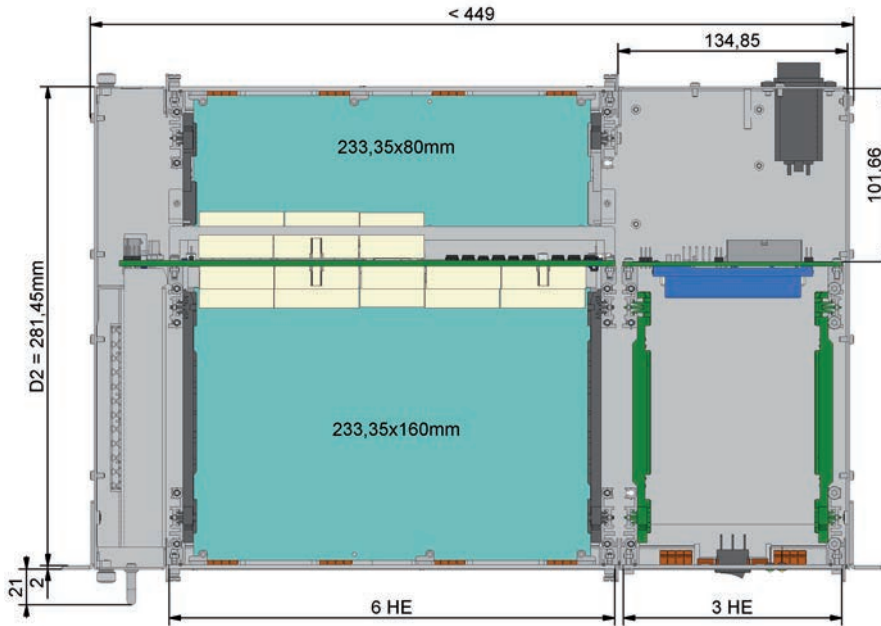


MPS03-3 Side view

D1 = internal dimension

//02 SYSTEME MPS03

// Product Information



MPS03-3 Top view

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

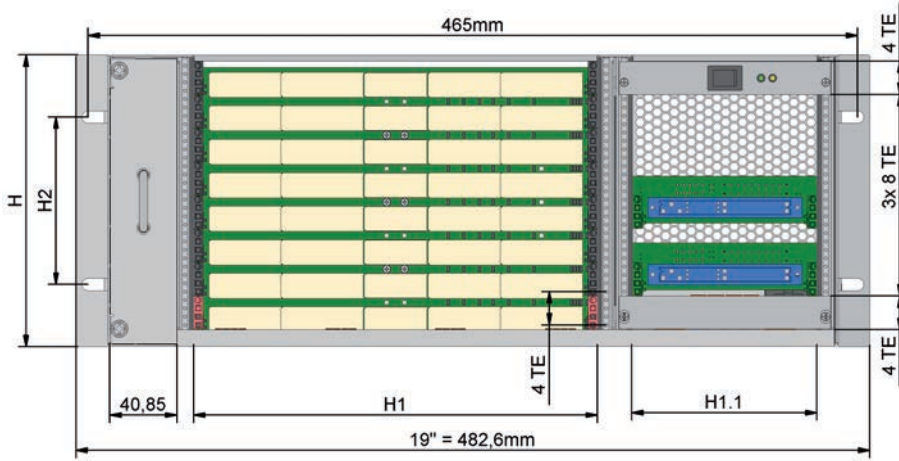


MPS03-3 Rear view

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

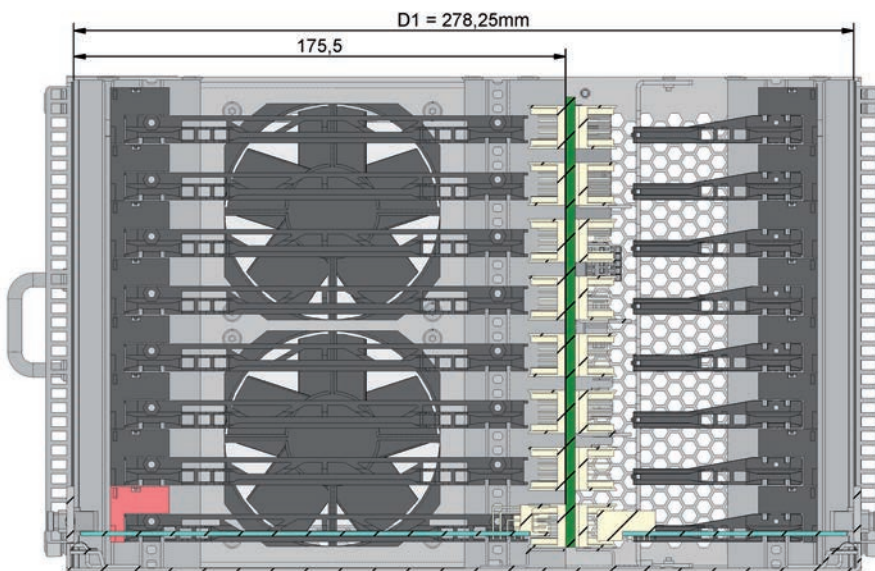
//02 SYSTEME MPS03

// Product Information



MPS03-4 Front view

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

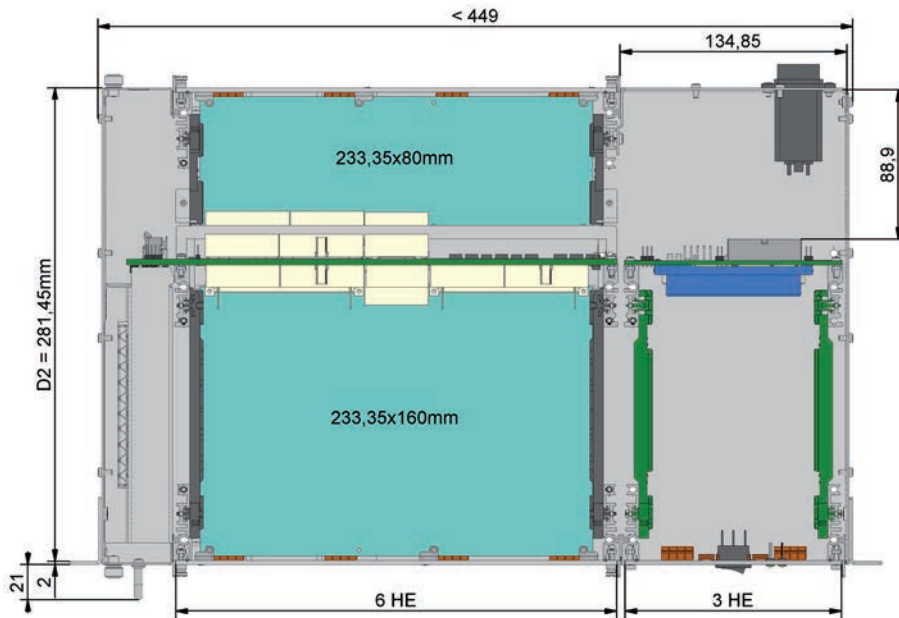


MPS03-4 Side view

D1 = internal dimension

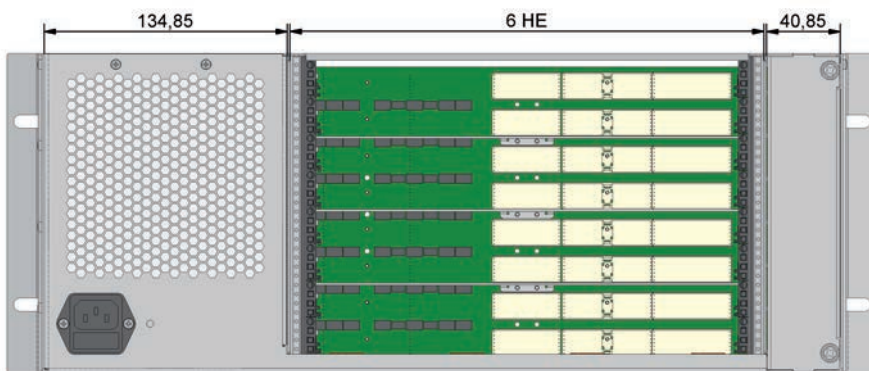
//02 SYSTEME MPS03

// Product Information



MPS03-4 Top view

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



MPS03-4 Rear view

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

// Basic Units

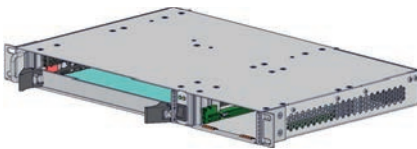
Basic units

The basic units of the MPS03 system platform are based on our subrack series "Future" and vary in height and configuration.

Features of the basic units

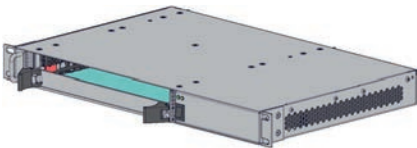
MPS03-1

Basic unit MPS03-1 is suitable for configuration with boards in double Eurocard format (233.35x160 mm) and with additional Rear-I/O (233.35x80 mm).



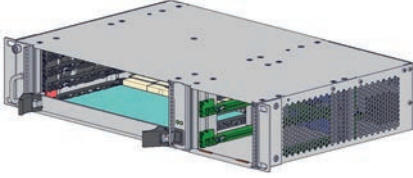
MPS03-1-ATX

Basic unit MPS03-1-ATX is suitable for configuration with boards in double Eurocard format (233.35x160 mm) and with additional Rear-I/O (233.35x80 mm).



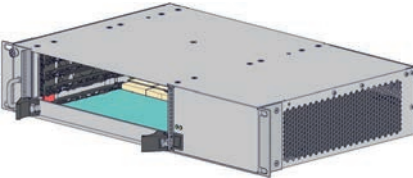
//02 SYSTEME MPS03

// Basic Units



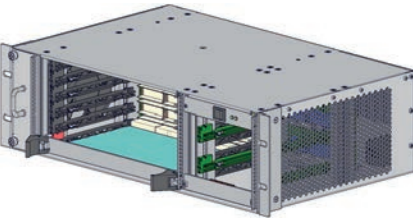
MPS03-2

Basic unit MPS03-2 is suitable for configuration with boards in double Eurocard format (233.35x160 mm) and with additional Rear-I/O (233.35x80 mm).



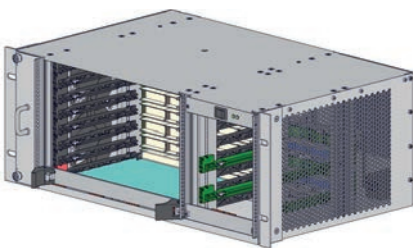
MPS03-2-ATX

Basic unit MPS03-2-ATX is suitable for configuration with boards in double Eurocard format (233.35x160 mm) and with additional Rear-I/O (233.35x80 mm).



MPS03-3

Basic unit MPS03-3 is suitable for configuration with boards in double Eurocard format (233.35x160 mm) and with additional Rear-I/O (233.35x80 mm).

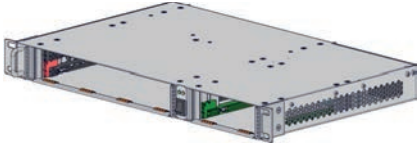


MPS03-4

Basic unit MPS03-4 is suitable for configuration with boards in double Eurocard format (233.35x160 mm) and with additional Rear-I/O (233.35x80 mm).

//02 SYSTEME MPS03

// Basic Units



MPS03-1

Scope of delivery

Mechanical parts
Backplanes
Power adapter
Fans
Wiring
LED display
IEC line filter module
ON/OFF switch
Dust filter mat

Delivery form

1 pc Fully assembled and functionality and safety tested
1 pc
1 pcs

Note

3 pcs
1 pc – Individually configurable with e.g. other backplanes, power supplies, etc.
1 pc – Power supply must be ordered separately (see chapter "Accessories / 19" power supplies")
1 pc
1 pc – Please observe maintenance schedule for dust filter mat (for replacement filter mats see "Accessories/ Dust filter mat")



MPS03-1-ATX

Scope of delivery

Mechanical parts
Backplanes
Power supply
Fans
Wiring
LED display
IEC line filter module
ON/OFF switch
Dust filter mat

Delivery form

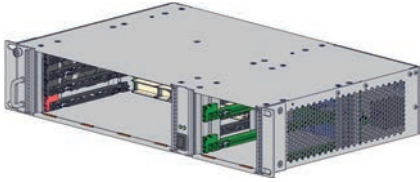
1 pc Fully assembled and functionality and safety tested
1 pc
1 pc

Note

3 pcs
1 pc – Individually configurable with e.g. other backplanes, power supplies, etc.
1 pc
1 pc – Please observe maintenance schedule for dust filter mat (for replacement filter mats see "Accessories/ Dust filter mat")
1 pc
1 pc

//02 SYSTEME MPS03

// Basic Units



MPS03-2

Scope of delivery

Mechanical parts
Backplanes
Power adapter
Fans
Wiring
LED display
IEC line filter module
ON/OFF switch
Dust filter mat

Delivery form

1 pc Fully assembled and functionality and safety
1 pc tested
2 pcs

Note

2 pcs
1 pc – Individually configurable with e.g. other
1 pc backplanes, power supplies, etc.
1 pc – Power supply must be ordered separately (see
1 pc chapter "Accessories / 19" power supplies")
1 pc – Please observe maintenance schedule for
dust filter mat (for replacement filter mats see
"Accessories/ Dust filter mat")



MPS03-2-ATX

Scope of delivery

Mechanical parts
Backplanes
Power supply
Fans
Wiring
LED display
IEC line filter module
ON/OFF switch
Dust filter mat

Delivery form

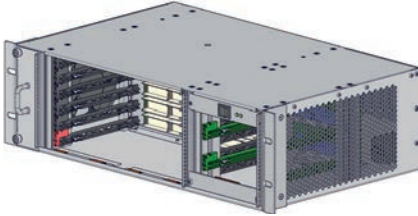
1 pc Fully assembled and functionality and safety
1 pc tested
1 pc

Note

2 pcs
1 pc – Individually configurable with e.g. other
1 pc backplanes, power supplies, etc.
1 pc – Please observe maintenance schedule for
1 pc dust filter mat (for replacement filter mats see
1 pc "Accessories/ Dust filter mat")

//02 SYSTEME MPS03

// Basic Units



MPS03-3

Scope of delivery

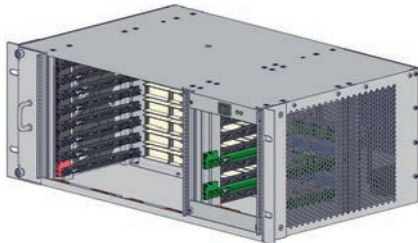
Mechanical parts	1 pc
Backplanes	1 pc
Power adapter	2 pcs
Fans	2 pcs
Wiring	1 pc
LED display	1 pc
IEC line filter module	1 pc
ON/OFF switch	1 pc
Dust filter mat	1 pc

Delivery form

Fully assembled and functionality and safety tested

Note

- Individually configurable with e.g. other backplanes, power supplies, etc.
- System monitoring in conjunction with System Monitoring Controller (SMC2, see "Accessories" chapter) also possible as an option.
- Power supply must be ordered separately (see chapter "Accessories / 19" power supplies")
- Can also be configured with system monitor SMC2 COM or SMC2 WEB, see "Accessories / System manager" chapter
- Please observe maintenance schedule for dust filter mat (for replacement filter mats see "Accessories/ Dust filter mat")



MPS03-4

Scope of delivery

Mechanical parts	1 pc
Backplanes	1 pc
Power adapter	2 pcs
Fans	2 pcs
Wiring	1 pc
LED display	1 pc
IEC line filter module	1 pc
ON/OFF switch	1 pc
Dust filter mat	1 pc

Delivery form

Fully assembled and functionality and safety tested

Note

- Individually configurable with e.g. other backplanes, power supplies, etc.
- System monitoring in conjunction with System Monitoring Controller (SMC2, see "Accessories" chapter) also possible as an option.
- Power supply must be ordered separately (see chapter "Accessories / 19" power supplies")
- Can also be configured with system monitor SMC2 COM or SMC2 WEB, see "Accessories / System manager" chapter
- Please observe maintenance schedule for dust filter mat (for replacement filter mats see "Accessories/ Dust filter mat")