

Open Frame Development Chassis



6U/ 50 HP Backplanes

Open Frame Development Chassis

The open chassis is designed for test and development engineers, providing flexibility and ease of use. The chassis is designed for use with RTM boards, and offers easy access to boards from both sides. The rear profiles are moveable up to 2.5mm for using different RTM boards (cPCI, VME etc.).

The mechanical construction is very robust with 6mm/ .236" thick sidewalls. To ensure efficient cooling, 5 high performance fans are placed below the chassis, with front and rear air plenums to maximize air flow.

The Development chassis can be configured for various platforms, including VPX, VME, VME 64, cPCI, VXI, and VXS. Select from a wide range of backplanes from Hartmann Electronic. You can use backplanes up to a width of 50 HP.

Key features:

- Open architecture for easy access to boards from both sides
- For use with RTM boards
- very robust and strong construction, IEEE1101.10 card guides (Polycarbonate UL94-V0) and ESD clip mounted on bottom side
- excellent cooling from 5 high performance fans (12 V DC)
 - Fan front boards: 2x: 120 x 120 x 38mm, 224 CFM (64dB(A)), 36W)
 - Fan RTM boards: 3x: 80 x 80 x 25mm, 60.8 CFM (46dB(A)), 5.6W)
- adjustable rotary speed for front and rear board cooling
- separate switch for rear fans
- front side switch
- LED voltage control front side
- Industrial 600 W ATX power supply unit with wide range input 90–264V_{AC}
 - Output: 3.3V/ 25A, 5V/25A, 12V/45A, -12V/0.8A
 - min. load: 5V/ 0.1A, 12V/ 0.5A) with PFC, with fan and switch.
 - Other power supplies available on request!



Front view



Rear view



Open Frame Development Chassis



6U/ 50 HP Backplanes

1) Dimensions and Materials:

Height: 450.0 mm/ 17.72"

Width: 266.2 mm/ 10.48"

Depth: 302.1 mm/ 11.89"

Weight: 12.8 Kg/ 29 lbs

Extrusions, Top and Base: Aluminium DIN EN AW 5754 H22 G22

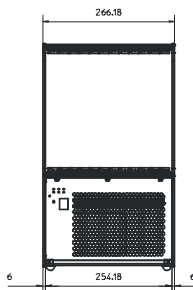
Side panels: 6mm/ .236" thick Aluminium, painted color red (RAL 3020 appr. FED-STD-595 Color No. 31400)

Operating Temperature: 0° - +50°C

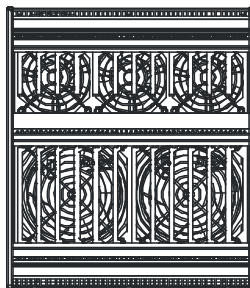
Storage Temperature: -10°C - +60°C

Flammability rating: UL94-V0

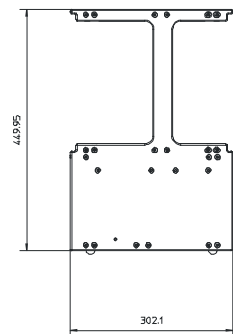
Front view



Top view



Side view



2) Front Control board:

- Main power switch
- LED array for all voltages
- Front and rear fan speed is adjustable
- Rear fans have a separate switch



3) Easy Configuration:

- Hinged front door for easy modifications
- Fast and easy access to power screw termination



Order number:

LMH0000480

for 6U backplanes

Germany

HARTMANN ELECTRONIC GmbH
Motorstr. 43
D-70499 Stuttgart
Phone: +49 711 13 98 90
Fax: +49 711 8 66 11 91
info@hartmann-electronic.com
www.hartmann-electronic.com

USA

Hartmann Electronic
Fabian Hemmann
202 N. Limestone Street, Suite 320
Springfield, OH 45503
Phone: 937-324-4422
Fax: 937-324-2425
Mobile: +1 937 346 7878
fabian@wiener-us.com
www.hartmann-electronic.com

France

HARTMANN ELEKTRONIK France
Phoenix Mecano France
Serge PICHAT
76 rue du Bois Galon
94124 Fontenay-sous-Bois cedex
Phone: +33 9 66 44 03 15
Mobile: +33 6 82 62 16 00
serge.pichat@hartmann-elektronik.fr

India

Phoenix Mecano (India) Ltd.
Mr. Vivek Deshpande
388 Bhare, Taluka Mulshi,
Post Gotawade, Pune - 412 108
Phone: +91 20 66 74 52 36
Fax: +91 20 22 92 92 05
vivek@phoenixmecano.in
www.phoenixmecano.in