

Open Frame Development Chassis



3U front + 6U rear / 50 HP Backplanes

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The open chassis is designed for test and development engineers, providing flexibility and ease of use. The chassis is designed for use with 6U 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 3U front boards and 6U 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



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3U + 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

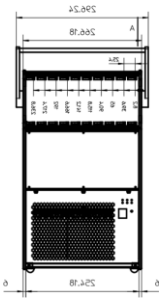
Side panels: 6mm/ .236" thick Aluminium, painted color red (RAL 3020 appr. FED-STD-595 Color No. 31400)

Operating Temperature: 0° - +50°C

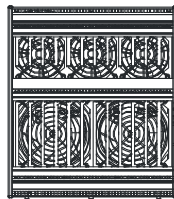
Storage Temperature: -10°C - +60°C

Flammability rating: UL94-V0

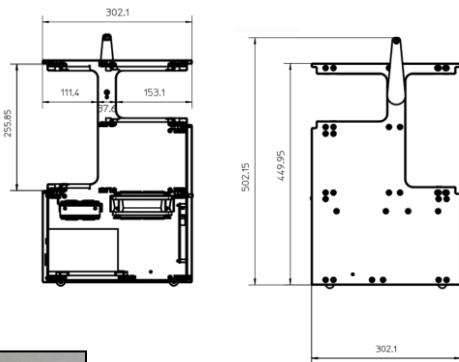
Front view



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:

LMH0000570

for 3U front boards + 6U rear RTM boards

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