

Open Frame 3U 50HP Chassis

Made
in
Germany



Backplane

3U up to 12 slots
(PCI, Serial, PXI,
VME, VPX)

Fan

Internal with ad-
justable fan speed.
No of fans.
2 front side fans

Power Supply

Type:600W ATX
Input:90 – 264Vac

Size

Height:317 mm
Width:50 HP
Depth:302 mm

Open Frame 3U 50HP Chassis

An open-frame solution for the open-minded engineer. With moveable rear profiles (up to 2.5mm,) 3U and 6U backplane compatibility options, air or conduction cooling options and the ease of fast and simple backplane interchangeability for fluid transition between VITA and PICMG bus architectures, the Kontron Hartmann Wiener Open Frame Chassis solution is the tool for customers who need versatility, accessibility and longevity.

An adjustable locking grab handle, tilt or flush-sitting feet, durable open frame supports and a light-weight 300W ATX power supply allow the chassis to be moved from the lab to the developer's workstation to the field for demonstration with ease.

Note: Open Frame Chassis are optioned with or without a backplane. Please ask your Kontron Hartmann sales professional which of our backplane solutions is best for you.

› **Compliance**

- › **PICMG CompactPCI standard for industrial computing**
- › **Conforms to IEEE 1101.1 and IEEE 1101.10/11**
- › **Meets IEC 60297-3-101, -102, and -103 mechanical standards**
- › **Metric connectors designed to IEC 1076 specification**

› **Power & Efficiency**

- › **Supports 32-bit and 64-bit PCI signaling and protocols**
- › **Compatible with passive backplanes and active bridges for multi-segment configurations**

› **Protection Features**

- › **Enhanced EMC design for minimized interface**
- › **Proper grounding ensured by extended connector pins during insertion and removal**

› **Management & Control**

- › **Optional shelf management for voltage and temperature monitoring**
- › **Intelligent fan trays with multi-point temperature and fan-speed regulation**

- 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!

Dimensions and Materials

Height: 316.6 mm/ 12.46"

Width: 266.2 mm/ 10.48"

Depth: 302.1 mm/ 11.89"

Weight: 12.0 Kg/ 27 lbs

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

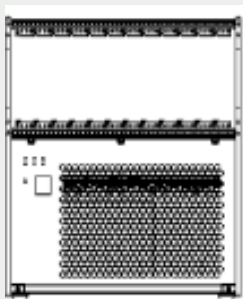
Side panels: 6mm/ .236" thick Aluminium, painted color red (RAL 3020 appr. FED-STD-595 Color No. 31400)

Operating Temperature: 0° - +50°C

Storage Temperature: -10°C - +60°C

Flammability rating: UL94-V0

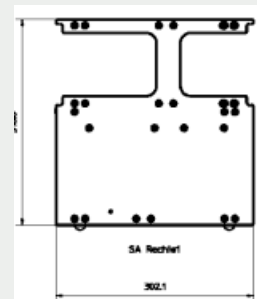
Front View



Top View



Side View



Front Control Board

Main power switch

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



Easy Configuration

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

Technical Information

Mounting	Desktop	
Backplane	3U up to 12 slots (PCI, Serial, PXI, VME, VPX)	
Fan Tray	Internal with adjustable fan speed	
no. Of Fans	2 front side fans 224CFM, 64dB(A), 3A, 3 rear side fans 80x80x25mm, 39CFM, 34dB(A), 0.23A	
Airflow	Bottom to top	
Power Supply Type	600W ATX	
Power Input	90 – 264Vac	
No. Of Supplies	1	
Output Voltages	12V/45A, 3.3V/25A, 5V/25A, -12V/0.8A	
Power Supply Connector	Rear side with switch	
Chassis Height	317 mm	
Chassis Width	50HP	
Chassis Depth	302 mm	
IEEE	1101.1 and 1101.10/11	
IEC	60297-3-101, -102, -103	
Military Shipboard	MIL-STD-810F: 514.5C-15 (vibration)	
Military Highway	MIL-STD-810F: 514.5 C-1 (vibration), 515.5-10 (shock)	
Railway	EN 50155-EN 1373 class 1 B, rolling stock (shock/vibration)	