

# CPCI Serial Rack for Single Eurocards

- **19" rack-mountable**
- **IEEE 1101.10/11 compliance**
- **4U / 84 HP system (incl. 1U fan tray)**
- **9-slot CompactPCI® Serial backplane according to PICMG CPCI-S.0**
- **System slot left**
- **Full Ethernet mesh**
- **460 W ATX PSU, 90..264 VAC**
- **Prepared for slim-line DVD drive**
- **For MEN SBCs G20 and G22**



This compact 4U rack-mount enclosure is the basis for building up a CompactPCI® Serial system. It contains a 9-slot backplane with one CompactPCI® Serial system slot and eight peripheral slots.

The first two peripheral slots from the left support a PCI Express® x8 link each as defined in the CompactPCI® Serial specification PICMG CPCI-S.0. The system supports a full Ethernet mesh and is designed for use with MEN CompactPCI® Serial system-slot SBCs.

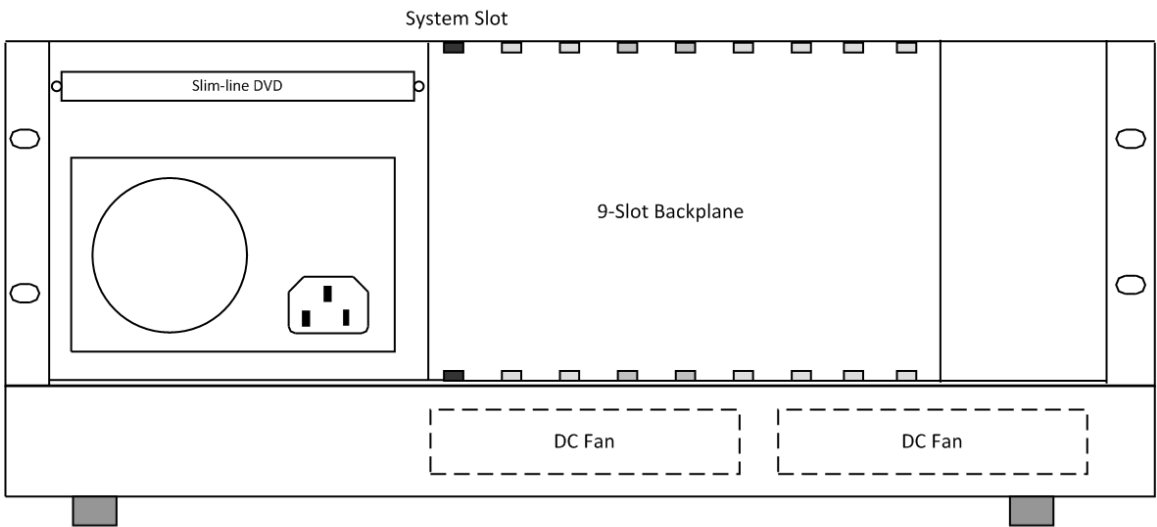
In addition, the system offers space for a slim-line DVD drive. A 460 W ATX wide-range power supply unit which is accessible from the front of the system is already included and wired. The system is cooled by two 12V fans installed in a fan tray at the bottom of the system.

The enclosure meets EMC requirements, making it a perfect choice for embedded applications in harsh environments.

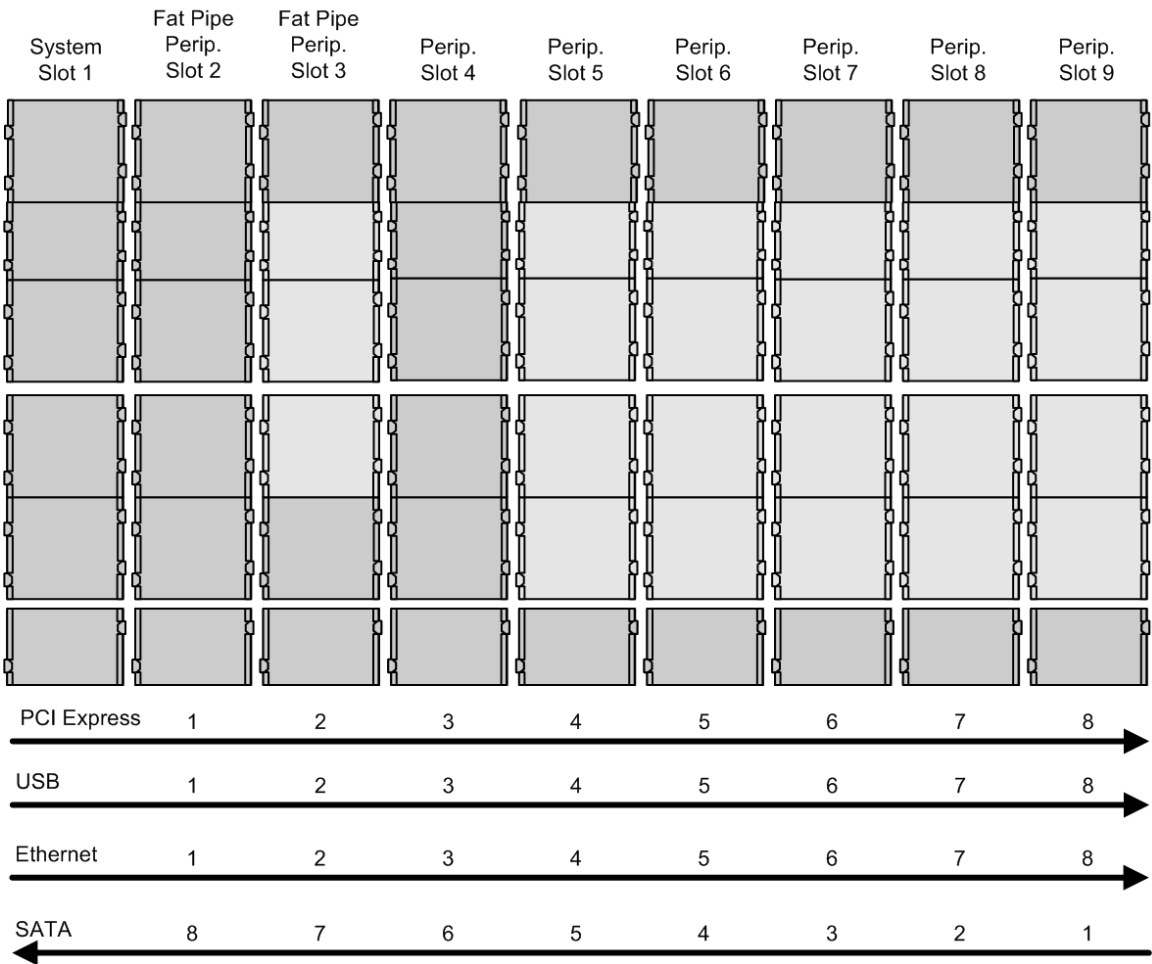
Ask us for completely configured, wired and tested systems!

Diagram

Front View



Backplane



## Technical Data

<b>General System Characteristics</b>	<ul style="list-style-type: none"> <li>■ Compliance with IEC 60 297-3, IEEE 1101.10</li> <li>■ 9 slots for 3U Eurocard boards</li> </ul>
<b>Mechanical Specifications</b>	<ul style="list-style-type: none"> <li>■ 19" rack-mount standard</li> <li>■ 3U card vertical</li> <li>■ Drive chassis for integration of a slim-line DVD drive</li> <li>■ Dimensions: 3U, 84HP, 278 mm depth</li> <li>■ Weight: tbd</li> </ul>
<b>CompactPCI® Serial Backplane</b>	<ul style="list-style-type: none"> <li>■ 9-slot</li> <li>■ CompactPCI® Serial system slot on the first slot from the left</li> <li>■ Eight CompactPCI® Serial peripheral slots <ul style="list-style-type: none"> <li>□ First two slots from the left with PCIe® x8 link (fat pipe)</li> <li>□ Rear I/O for first and third peripheral slot</li> </ul> </li> <li>■ Full mesh Ethernet</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>■ ATX PSU <ul style="list-style-type: none"> <li>□ 3U/32HP</li> <li>□ 460 W</li> <li>□ 90V..264V AC wide range</li> <li>□ 12 V/32 A</li> </ul> </li> <li>■ Front-panel power connector</li> </ul>
<b>1U fan chassis</b>	<ul style="list-style-type: none"> <li>■ Two vertical fans <ul style="list-style-type: none"> <li>□ 12 V</li> <li>□ Air flow volume 140 m³/h (manufacturer's data)</li> <li>□ Dimensions 119 x 119 x 32 mm</li> <li>□ Sound power level 5.3 Bel</li> </ul> </li> </ul>
<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>■ Temperature range (operation): <ul style="list-style-type: none"> <li>□ 0..+45°C</li> </ul> </li> <li>■ Temperature range (storage): <ul style="list-style-type: none"> <li>□ -20..+80°C (power supply unit)</li> </ul> </li> <li>■ Relative humidity (operation): max. 95% non-condensing</li> <li>■ Relative humidity (storage): max. 95% non-condensing</li> <li>■ Altitude: -300m to + 3,000m</li> <li>■ Shock: 15g/11ms</li> <li>■ Bump: 10g/16ms</li> <li>■ Vibration (sinusoidal): 2g/10..150Hz</li> </ul>
<b>EMC</b>	<ul style="list-style-type: none"> <li>■ Tested according to EN 55022 (radio disturbance), IEC1000-4-2 (ESD) and IEC1000-4-4 (burst)</li> </ul>
<b>Suited for MEN Boards...</b>	<ul style="list-style-type: none"> <li>■ <a href="#">G20 - 3U CompactPCI® Serial Intel® Core™ i7 SBC</a></li> <li>■ <a href="#">G22 - 3U CompactPCI® Serial Intel® Core™ i7 SBC</a></li> </ul>

## Ordering Information

<b>Standard CPCI Serial Rack for Single Eurocards Models</b>	MEN delivers turn-key systems completely installed (hardware, operating system, accessories), wired and tested. Different rack sizes, power supplies and backplanes on request. For details please contact your local sales representative.	
	<b>0701-0058</b>	CompactPCI® Serial 19" 4U/84 HP rack-mount enclosure for 3U cards (vertical), 9-slot backplane, system slot left, full mesh, 460 W ATX PSU 90..264VAC, 1U fan tray with 2x 12 VDC fans, 0..+45°C
<b>Miscellaneous Accessories</b>	<b>0714-0009</b>	Filler panel 3U/4HP, IEEE1101, textile gasket
	<b>0714-0018</b>	Filler panel 3U/8HP, EMC gasket, fully pre-mounted
	<b>0714-0019</b>	Filler panel 3U/12HP, EMC gasket, fully pre-mounted

## Contact Information

### Germany

MEN Mikro Elektronik GmbH  
Neuwieder Straße 3-7  
90411 Nuremberg  
Phone +49-911-99 33 5-0  
Fax +49-911-99 33 5-901

info@men.de  
www.men.de

### France

MEN Mikro Elektronik SA  
18, rue René Cassin  
ZA de la Châtelaine  
74240 Gaillard  
Phone +33 (0) 450-955-312  
Fax +33 (0) 450-955-211

info@men-france.fr  
www.men-france.fr

### USA

MEN Micro, Inc.  
24 North Main Street  
Ambler, PA 19002  
Phone (215) 542-9575  
Fax (215) 542-9577

sales@menmicro.com  
www.menmicro.com

*The date of issue stated in this data sheet refers to the Technical Data only. Changes in ordering information given herein do not affect the date of issue. All brand or product names are trademarks or registered trademarks of their respective holders.*

*MEN is not responsible for the results of any actions taken on the basis of information in the publication, nor for any error in or omission from the publication.*

*MEN expressly disclaims all and any liability and responsibility to any person, whether a reader of the publication or not, in respect of anything, and of the consequences of anything, done or omitted to be done by any such person in reliance, whether wholly or partially, on the whole or any part of the contents of the publication.*

*The correct function of MEN products in mission-critical and life-critical applications is limited to the environmental specification given for each product in the technical user manual. The correct function of MEN products under extended environmental conditions is limited to the individual requirement specification and subsequent validation documents for each product for the applicable use case and has to be agreed upon in writing by MEN and the customer. Should the customer purchase or use MEN products for any unintended or unauthorized application, the customer shall indemnify and hold MEN and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim or personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that MEN was negligent regarding the design or manufacture of the part.*

*In no case is MEN liable for the correct function of the technical installation where MEN products are a part of.*

Copyright © 2013 MEN Mikro Elektronik GmbH. All rights reserved.