

G504

NVMe SSD Rapid Storage Shuttle 3U CompactPCI Serial

- » Solid state drive shuttle
- » 2.5" NVMe SSD U.2 slot
- » NVMe SSD M.2 slot (optional)
- » Two status LEDs
- » -40°C to +85°C (screened)
- » Compliant with EN 50155 (railways)
- » PICMG CPCI-S.0 CompactPCI Serial peripheral card



Ultrafast NVMe SSD

The G504 is a CompactPCI Serial solid state drive shuttle. It is designed as a carrier board for a 2.5" NVMe SSD U.2 with ultra high data bandwidth for rapid data transfer. It is also possible to equip the G504 with an NVMe SSD M.2.

The solid state drive is intended to be used as first level storage, e.g., for buffering control data while they are analyzed.

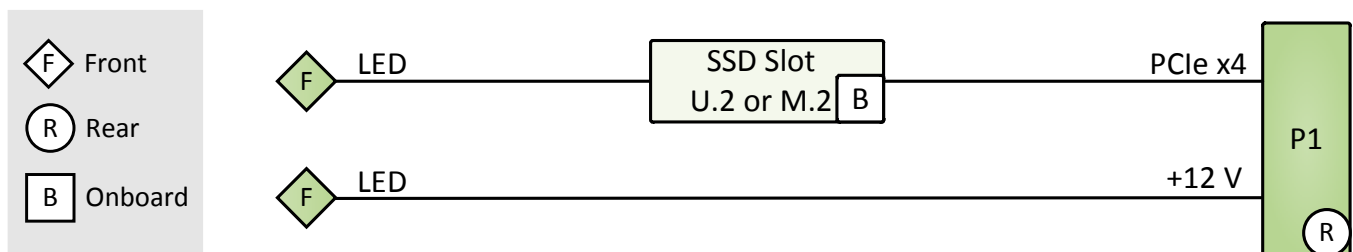
Front Panel Status LEDs

The unit's front panel features two status LEDs signaling power and activity.

Suitable for Various Application Areas

The G504 is suitable for, e.g., automation or power and energy applications.

Its compliance with the EN 50155 standard makes the board suitable for use in railway applications.



Mass Storage

- The following mass storage devices can be assembled:
 - One 2.5" solid state drive U.2, or
 - One solid state drive M.2

Front Interfaces

- Power LED
- Activity LED

Backplane Standard

- Compliance with CompactPCI Serial PICMG CPCI-S.0 Specification
- Peripheral slot
- Host connection:
 - One PCI Express x4 link, PCIe 3.x

Electrical Specifications

- Supply voltage
 - +12 V
- Power consumption
 - 25 W max. (with U.2 SSD), or
 - 8.25 W max. (with M.2 SSD)

Mechanical Specifications

- Dimensions
 - 3U, 4 HP
- Weight
 - 122 g (without SSD) (model 02G504-00)

Environmental Specifications

- Temperature range (operation)
 - -40°C to +85°C (screened) (depending on SSD; please refer to the SSD specifications for possible limits)
 - Airflow: min. 1.5 m/s
- Temperature range (storage): -40°C to +85°C
- Cooling concept
 - Air-cooled, or
 - Conduction-cooled in MEN CCA frame
- Relative humidity (operation): max. 95% non-condensing
- Relative humidity (storage): max. 95% non-condensing
- Altitude: -300 m to +3000 m
- Shock: 15 g/11 ms
- Bump: 10 g/16 ms
- Vibration (sinusoidal): 2 g/10 Hz to 150 Hz
- Conformal coating: optional

Reliability

- MTBF: approx. 2 000 000 h @ 40°C according to IEC/TR 62380 (RDF 2000)

Safety

- Flammability
 - UL 94V-0

Germany

MEN Mikro Elektronik GmbH

Neuwieder Straße 3-7
90411 Nuremberg
Phone +49-911-99 33 5-0

sales@men.de
www.men.de

USA

MEN Micro Inc.

860 Penllyn Blue Bell Pike
Blue Bell, PA 19422
Phone 215-542-9575

sales@menmicro.com
www.menmicro.com

France

MEN Mikro Elektronik SAS

18, rue René Cassin
ZA de la Châtelaine
74240 Gaillard
Phone +33-450-955-312

sales@men-france.fr
www.men-france.fr

China

MEN Mikro Elektronik (Shanghai) Co., Ltd.

Room 808-809, Jiaxing Mansion, No. 877 Dongfang Road
200122 Shanghai
Phone +86-21-5058-0961

sales@men-china.cn
www.men-china.cn

Up-to-date information, documentation and ordering information:

www.men.de/products/g504/

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.

© 2017 MEN Holding