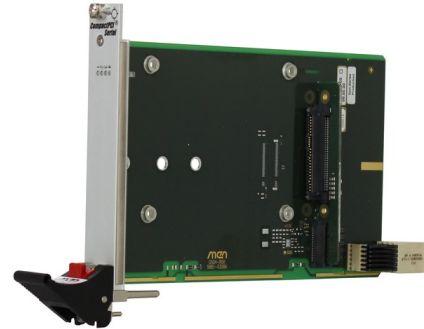


G504

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.

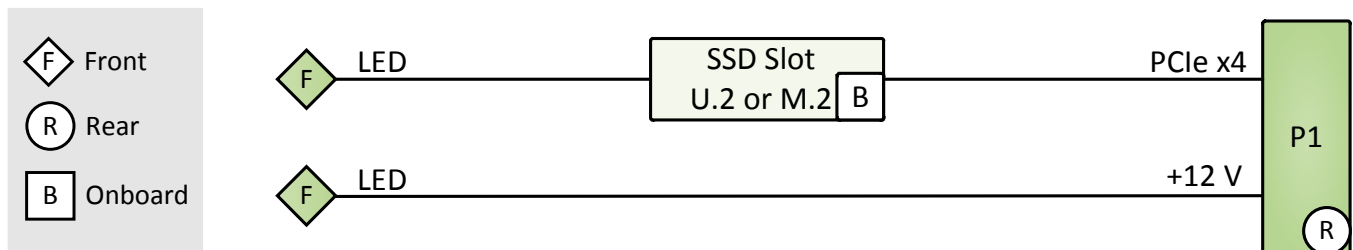
Front Panel Status LEDs

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

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Up-to-date information, documentation and ordering information:
www.men.de/products/g504/

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