

G501 – 3U CompactPCI® Serial SATA HDD/SSD Shuttle

- Hard disk drive or solid state drive shuttle
- 2.5" SATA HDD/SSD slot
- Four status LEDs
- -40 to +85°C with qualified components
- Compliant with EN 50155 (railways)
- PICMG CPCI-S.0 CompactPCI® Serial peripheral card

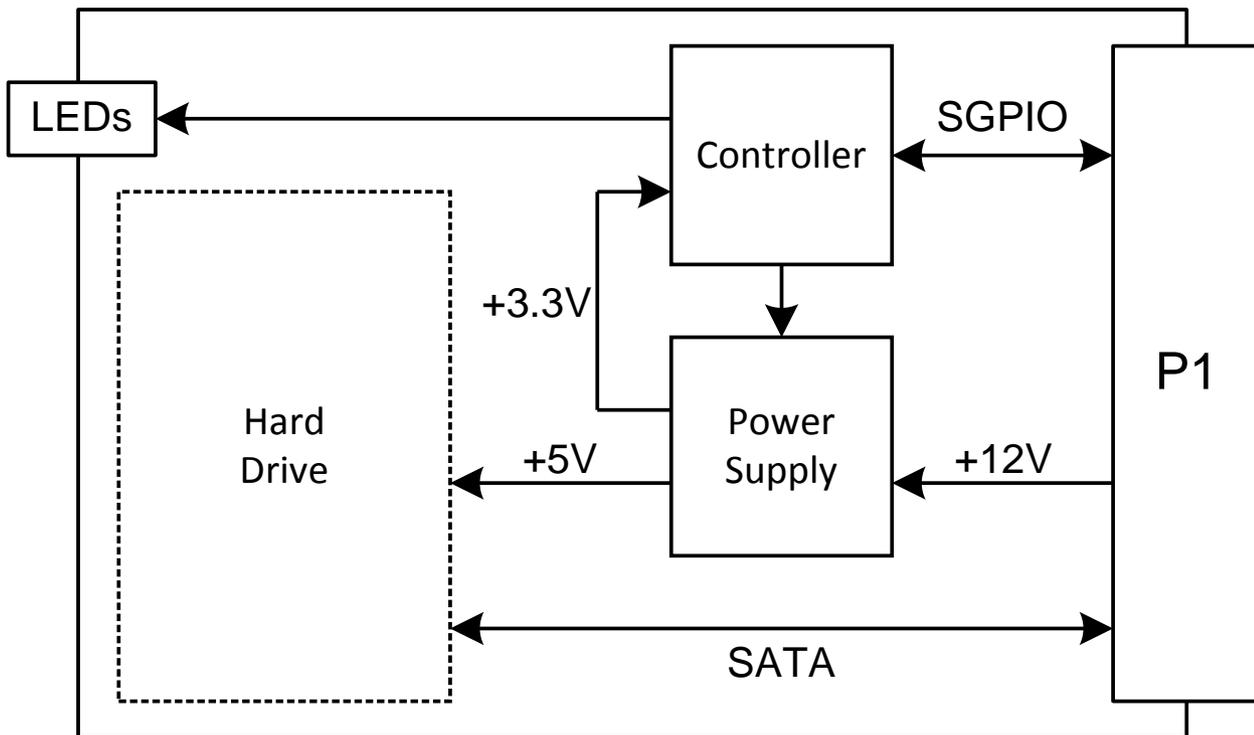


The G501 is a CompactPCI® Serial hard disk drive carrier board. It is designed to carry a 2.5" SATA hard

disk drive (RAID level depending on the CPU) or a solid state drive.

The unit's front panel features LEDs that signalize the board's SGPIO status while a fourth indicates the status of the internal controller's power supply.

Diagram



Technical Data

Mass Storage	<ul style="list-style-type: none">■ Serial ATA (SATA)<ul style="list-style-type: none">□ One port for onboard 2.5" hard disk drive or solid state drive□ Transfer rates depending on HDD/SSD□ RAID level depends on CPU board
External Interfaces	<ul style="list-style-type: none">■ 4 LEDs at front panel<ul style="list-style-type: none">□ 3 for the SGPIO status (for hot plug functionality)□ 1 for the internal controller's supply voltage status
CompactPCI® Serial	<ul style="list-style-type: none">■ Compliance with CompactPCI® Serial PICMG CPCI-S.0 Specification■ Peripheral slot■ Host interface: one SATA and one SGPIO interface
Electrical Specifications	<ul style="list-style-type: none">■ Supply voltage<ul style="list-style-type: none">□ +12V (-25%/+10%), power consumption depending on HDD/SSD
Mechanical Specifications	<ul style="list-style-type: none">■ Dimensions: conforming to CPCI-S.0 specification for 3U boards■ Hot plug functionality (depending on CPU board)■ Weight: 125 g (without HDD/SSD)
Environmental Specifications	<ul style="list-style-type: none">■ Temperature range (operation):<ul style="list-style-type: none">□ -40..+85°C (depending on HDD or SSD; please refer to the HDD/SSD specifications for possible limits)□ Airflow: min. 1.5 m/s■ Temperature range (storage): -40..+85°C■ Relative humidity (operation): max. 95% non-condensing■ Relative humidity (storage): max. 95% non-condensing■ Altitude: -300 m to + 3,000 m■ Shock: 15 g/11 ms■ Bump: 10 g/16 ms■ Vibration (sinusoidal): 2 g/10..150 Hz
MTBF	<ul style="list-style-type: none">■ 2.032.578 h @ 40°C according to IEC/TR 62380 (RDF 2000)
Safety	<ul style="list-style-type: none">■ PCB manufactured with a flammability rating of 94V-0 by UL recognized manufacturers

Configuration & Options

Standard Configurations

Article No.	Mass Storage	Operation Temperature
02G501-00	1 slot for 2.5" HDD or SSD	-40..+85°C

Options

Cooling Concept	<ul style="list-style-type: none"> Also available with conduction cooling in MEN CCA frame
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Please note that some of these options may only be available for large volumes. Please ask our sales staff for more information.

Ordering Information

Standard G501 Models	02G501-10	1-slot carrier for 2.5" SATA HDD or SSD, -40..+85°C with qualified components (shuttle only)
Memory	0754-0004	SSD SATA 8 GB, 2.5", SLC, -40..+85°C
	0754-0005	SSD SATA 160 GB, 2.5", MLC, 0..+70°C
	0754-0006	SSD SATA 32 GB, 2.5", MLC, 0..+70°C
Miscellaneous Accessories	0710-0038	SATA (1,5GB/s) hard disk drive 2.5", 100 GB, 4200rpm, -10°C..+70°C
Documentation	Compare Chart 3U CompactPCI® Serial CPU and I/O cards » Download	
	20G501-ER	G501 Errata
	20G501-00	G501 User Manual

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