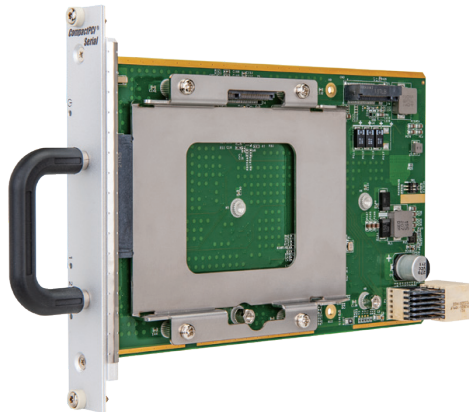3U CompactPCI® Serial Storage Carrier Blade

cPCI-A3H20

Features

- PICMG® CompactPCI® S.0 compliant
- EN 50155 compliant
- 2.5" NVMe SSD U.2 slot
- NVMe M.2 2280/2242 slot
- Optional SATA 2280/2242 slot (in place of U.2)

Specifications

General	Storage	1x 2.5" NVMe SSD U.2 slot via PCIe x4
		1x NVMe M.2 2280/2242 slot, M-key via PCIe x4
		Optional 1x SATA M.2 2280/2242 slot via SATA Gen3, B-key (in place of U.2 by BOM option)
	PICMG Standards	CompactPCI® Serial Rev 2.0
Front Panel Interfaces	LED	Three LEDs indicators for NVMe U.2, NVMe M.2 and SATA M.2 status
Backplane Interfaces	PCI Express	1x PCIe x4 Gen3 on P1
Electrical Specifications	Power Input	+12V
Mechanical & Environmental	Form Factor	3U 4HP 1-slot CompactPCI Serial blade 160mm x 100mm (LxW) Equipped with P1
	Weight	0.2g (without SSD)
	Operating Temp.	-40°C to +70°C (EN50155 OT4 Class,+85C for 10mins) with airflow 1.5 m/ sand selected extended temperature SSD
	Storage Temp.	-40°C to +85°C

Specifications

Mechanical & Environmental	Operating Humidity	EN60068-2-30, EN50155 10% to 95% relative humidity (non-condensing)
	Storage Humidity	5% to 95% relative humidity (non-condensing)
	Shock	20G peak-to-peak, 11ms duration, operating
	Vibration	2Grms random vibration, 5 to 500Hz in 3 axes, operating
	Conformal Coating	Available by BOM option
Reliability	MTBF	1,983,892 hrs at 40 °C, Telcordia Issue 4, GB, GC
Safety	Flammability	UL 94 V-0 EN 45545 compliant
EMI	Certifications	EN50155: 2021, EN 50121-3-2 (radiated and conducted emission) EN55024, EN50121-3-2 (immunity)

Ordering Information

cPCI-A3H20/P	3U CompactPCI Serial storage blade with 1x 2.5" NVMe U.2, 1x NVMe M.2 2280/42 M-key
cPCI-A3H20/M	3U CompactPCI Serial storage blade with 1x NVMe M.2 2280/42 M-key, 1x SATA M.2 2280/42 B-key