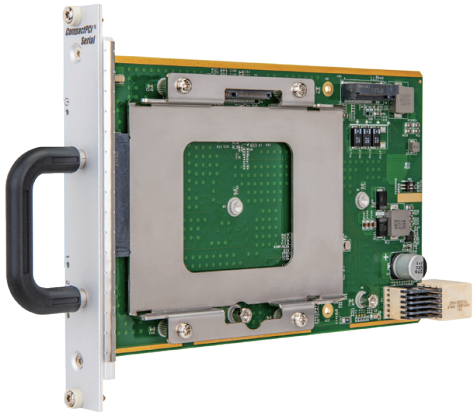
ADLINK
LEADING EDGE COMPUTING

3U CompactPCI® Serial Storage Carrier Blade

# cPCI-A3H20

Datasheet



## 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<br>160mm x 100mm (LxW)<br>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 |



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## Specifications

| | | |
|---|---|---|
| Mechanical & Environmental | Operating Humidity | EN60068-2-30, EN50155<br>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<br>EN 45545 compliant |
| EMI | Certifications | EN50155: 2021, EN 50121-3-2 (radiated and conducted emission)<br>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 |



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