

» AM4510 «



SSD AMC module for the ultimate in storage performance

- » Intel® X25-E SATA Solid State Drive (SSD)
- » 32GB and 64GB storage capacity
- » PICMG AMC.0 R2.0 / AMC.3 R1.0
- » Enhanced performance, reliability, ruggedness and power savings

Superior read/write access times and I/O

The popularity of AMC storage solutions continue to evolve

The Kontron AM4510 SATA storage AMC modules uses Intel's leading SSD for Native Serial Advanced Technology Attachment (SATA) hard disk drive, and achieves enhanced performance, reliability, ruggedness and power savings.

Since there are no rotating platters, moving heads, fragile actuators, unnecessary pinup time or positional seek time that can significantly slow down the storage subsystem, the Intel X25-E SATA SSD enables fast read/write access times

and significant I/O, as well as performance improvement when compared to rotating media.

The new Kontron AM4510 AMC module will be offered with a 64GB storage capacity and will be compatible with Kontron's family of AdvancedTCA processor and carrier blades as described by the PICMG AMC.0 R2.0 and AMC.3 R1.0 specifications.

Technical Information

Hard Disk Features	Storage capacity: 32GB and 64GB
Access	75 microseconds
Sequential Bandwidth R/W	250 / 170 MB/s Sustained 300MB/s burst
Characteristics	NEBS level 3; 24 hours / 7 days operation
Compliance	PICMG AMC.0 R2.0 / AMC.3 R1.0
IPMI Features	Management Controller compliant to PICMG 3.0, AMC.0 and IPMI v1.5 rev 1.1. Management Controller is run time field reprogrammable without payload impact. Robust fail safe reprogramming implementation (which includes two firmware images) that could perform automatic or manual rollback if a problem occurs during critical reprogramming phase. Remote upgrade capability from all IPMI interfaces (via IPMB)
Supervisory	Hardware system monitor through IPMI (voltage, currents, temperature), temperature monitor / alarm; board temperature sensor, power failure.
Mechanical	181.5 x 75 x 30.16 mm, single-width full-size; 181.5 x 75 x 18.96 mm, single-width mid-size; Weight: 350 g
Power Requirements	Management power is less than 100mA peak at 3.3V Payload power is 6W
Environmental Temperature*	Operating: 0-70°C/32-158°F; Storage and Transit: -40 to +70°C/-40 to 158°F
Environmental Humidity*	Operating: 15% to 90% @55°C/131°F non-condensing; Storage&Transit: 5% to 95% @ 40°C/104°F non-condensing
Environmental Altitude*	Operating: 4,000 m / 13,123 ft; Storage and Transit: 15,000 m / 49,212 ft
Environmental Shock*	Operating: 30G, half-sine 11ms, each axis; Storage and Transit: Bellcore GR-63-CORE Section 4.3
Environmental Vibration*	Operating: 1.0G, 5-500Hz each axis; Storage and Transit: 0.5G, 5-50Hz; 3.0G, 50-500Hz each axis
Safety / EMC	Meet or exceed: Safety: UL 60950-1; CSA C22.2 No 60950-1-03; EN 60950-1:2001; IEC60950-1 EMI/EMC: FCC 47 CFR Part 15, Class B; CE Mark to EN55022/EN55024/EN300386
Warranty	Two years limited warranty

* Designed to meet or exceed

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