» AM4521 «
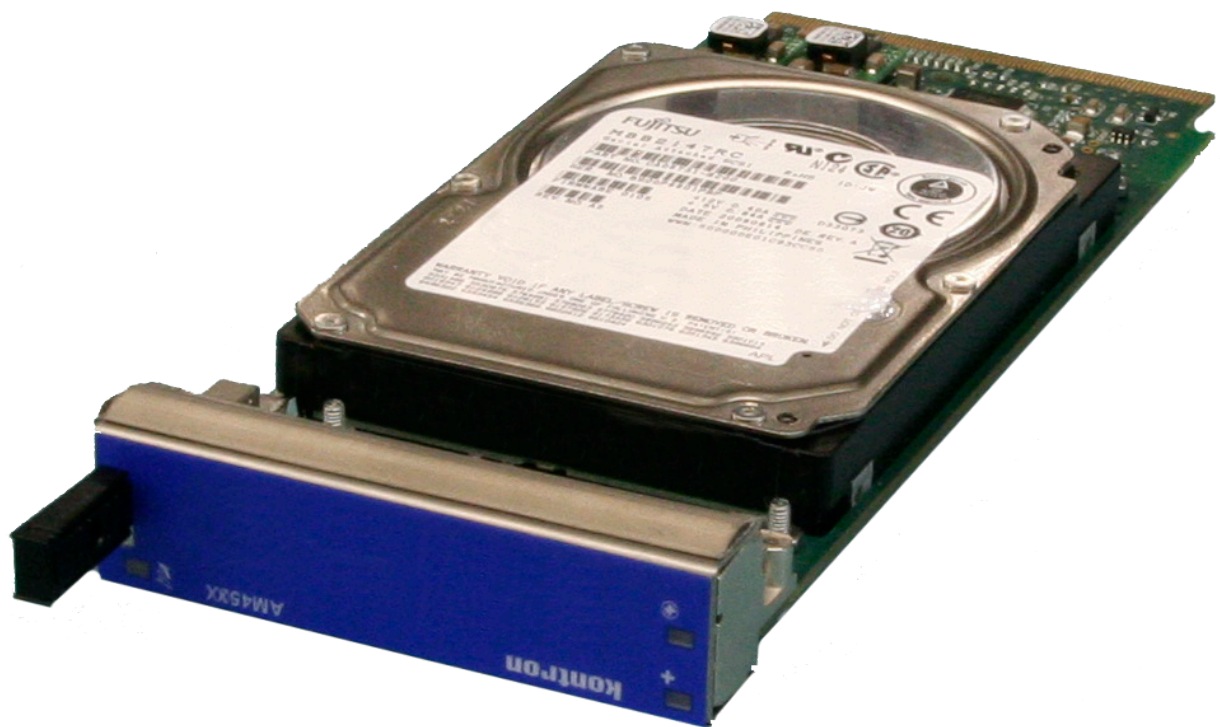

AdvancedMC SAS Storage Module

» Fully compliant to AMC.0 revision 2

» Available with 146GB capacity

» Mid-Size or Full-Size form factor

» AMC.3 compliant

» IPMI 1.5 implementation

Fully compliant AMC.0 rev 2
Highly reliable and greater economies of scale

AdvancecdMC modules are the key to extending the value of AdvancedTCA platforms designed for multiple applications in the wireless / wireline network infrastructure.

The Kontron AM4521 AdvancedMC SAS module is the ideal high performance, highly reliable storage media for open modular communications solutions that need to achieve higher IOPs (input/output per second) performance in space-constrained network infrastructures. The Kontron AM4521 SAS module offers up to 146 GB of storage capacity,

and is fully compliant to AMC.0 revision 2 and AMC.3 specifications. With a 10,000 rpm spindle plus the industry's highest reliability of 1.4M hours MTBF, this hot-swappable field replaceable unit (FRU) also follows the same stringent carrier grade RASM feature set, namely - Reliability, Availability, Serviceability, Maintainability.

Integrate this module with AdvancedTCA platforms to help conserve valuable system AdvancedTCA system slots for greater economies of scale and reduced OPEX.

Technical Information

Hard Disk Features	
	Storage capacity: 146GB capacity
	Seek time Track to Track: 0.2 ms typ.
	Average: 4.1 ms typ. (read), 4.5 ms typ. (write); Maximum: 8.1 ms typ.
	Data transfer to/from host: 300 MBytes/sec
Compliancy	AMC.0 R2.0; AMC.3 R1.0
OS Compatibility	RedHat Linux Enterprise 4
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 reprogrammation implementation (which includes two firmware images) that could perform automatic or manual rollback if a problem occurs during critical reprogramation phase.
	Remote upgrade capability from all IPMI interfaces (via IPMB)
	Management Controller self test, which can detect failure under its code integrity and trigger an automatic rollback.
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, Full-Size 181.5 x 75 x 18.96 mm, Mid-Size
Power Requirements	Management power is less than 100 mA peak at 3.3V
	Payload power is 2A peak and 1A normal operatio
Safety / EMC	Safety: UL60950 3rd ED.; CSA C22.2 Ho 60950-00; EN 60950:2000; IEC60950-1; EMI/EMC: FCC 47 CFR Part 15, Class B; CE Mark to EN55022/EN55024
Environmental Temperature*	Operating: 0-55°C/32-131°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
Warranty	Two years limited warranty

* Designed to meet or exceed

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