

Product Highlights

- Single SATA Drive
- SATA storage options of 80-320 GB
- SATA extended duty drive options
- AMC.0 and AMC.3 compliant
- Compact height

Key Applications

- In chassis embedded storage systems
- Host attached/mass storage subsystems
- AdvancedTCA or MicroTCA based system designs

Features

- SATA Extended Duty Drive options from 80 to 250G
- SATA Extreme Duty Option – 80G
- Single Height Single Width (AMC.0)
- Hot Swappable
- Integrated IPMI

Regulatory

- RoHS 6/6
- IEC60950, EN60950
- EN55022, EN50024
- FCC, VCCI, EN5022 (Class A)
- Designed for NEBs compliance



AdvancedMC™

AdvancedMC SATA Disk Drive Card - Compact Height

The SB-AMC47 module is a Drive Carrier Module for AdvancedTCA or MicroTCA systems. The module is configured with a single 2.5 inch SATA drive. The form factor of the SB-AMC47 is a single width (SW), Compact height (CH), Advance Mezzanine Card (AMC). The module is AMC.0 compliant and uses the serial storage signaling defined in AMC.3.

The solution has the added feature of port selection. This switch selectable option allows the SATA drive to be driven by either AMC Port -2 or Port-3, providing system design flexibility.

The SB-AMC47 is available with multiple drive capacity options. 2.5" SATA drives are available with capacities from 40G to 160G. Support for SATA Extended Duty drives allows for more robust requirements, and are available in capacities from 40G to 160G also. An Extreme duty option provides temp ranges from 0-85°C, with 24x7 duty cycles and 80G capacities.

Hard Disk Features:

Interface:	SATA	Extended Duty SATA	Extreme Duty SATA
Storage Capacity:	80, 160, 250, 320 GB	80, 160, 250 GB	80GB
Seek Time :			
Average:	12/14 ms (Read/Write)	12/14 ms (Read/Write)	11 ms (Read/Write)
Maximum:	22ms typ	22ms typ	22ms typ
Average Latency	5.56 ms	5.56 ms	5.56 ms
Rotational Speed	5400 RPM	5400 RPM	5400 RPM
Buffer Size	8 MB	8MB	8MB
Data Transfer Rate (To/From Host)	1.5 Gbps (150 MB/s)	1.5 Gbps (150 MB/s)	1.5 Gbps (150 MB/s)
Temperature Range			
Operating (ambient)	5 °C to 55°C	5 °C to 55°C	0 °C to 85°C
Disk Enclosure Surface	5 °C to 60°C	5 °C to 60°C	0 °C to 85°C
Non Operating	-40 °C to 65 °C	-40 °C to 65 °C	-40 °C to 85 °C

Ordering Information:

SB-AMC47C080X

Base Part Number	Front Panel Height Designation	Drive Size Giga Byte (GB)	Operating Temperature
SB-AMC47	C=compact	080, 160, 250, 320	Blank= 5°C to +55°C
SB-AMC47	C=compact	080, 160, 250	X= 5°C to +55°C Note 1
SB-AMC47	C=compact	080	E= 0°C to +85°C Note 2

Note 1: 'X' These disks are rated as extended duty by the supplier, which signifies 24x7 duty cycles

Note 2: 'E' These disks are rated as extreme environment which signifies 24x7 duty cycles and 85 °C operation.

For more information please visit the SANBlaze web site at: www.sanblaze.com or send email info@sanblaze.com.



SANBlaze is a leading provider of storage solutions for embedded systems, delivering high performance enterprise storage technologies and functionality to the embedded computing market. Our AMC, PMC, ATCA and cPCI board level storage solutions provide maximum design flexibility, ease of integration and cost effectiveness.

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