

A1203-ADA-CF3 Serial ATA (SATA) to Compact Flash (CF) Adapter



CompactFlash for Embedded Systems.

Adding a solid state storage device to an embedded computer has never been easier. With Serial ATA support, the A1203-ADA-CF3 adapter allows system builders to use a CompactFlash card anywhere a SATA disk can be used. A jumper is provided to drive standard panel indicator activity LEDs. When a CompactFlash card is installed in the socket the host computer 'sees' a standard ATA type mass-storage device.

Write Protect

The A1203-ADA-CF3 adapter also provides a hardware write protection function that cannot be overridden. Users can choose between an on-board slider switch, or supply their own off-board switch through a standard 2-wire header, for example to provide a panel mounted switch. An indicator LED is mounted next to the on-board write protect switch to allow for visual confirmation of write protection. Once the write function is engaged, the host system will see the disk as a read-only device, and any attempt to write to the media will generate an error. Some example applications include pre-loading a bootable image for a system that needs to resist tampering, such as kiosk systems.

KEY APPLICATIONS

- Rugged computer systems
- Embedded computers
- Kiosks and public terminals
- Solid-State JBODs

PRODUCT FEATURES

- 1.5GB/s SATA-I
- Supports CompactFlash Type I/II
- Jumper or switch controled hardware write-protection
- Write-protection status LED
- Activity LED jumper
- Extended Temperature Range Operation (-20C to 85C)

A1203-ADA-CF2 Ordering Information

A1203-ADA-CF3	SATA(data+power) connector, front panel CF I/II socket, board mounted write protect switch
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Technical Specifications

Host Bus Type	Serial ATA (7-pin)	
Compliance	ATA-5, SATA-I	
Data Transfer	Depends on CompactFlash card installed	
Modes	Depends on CompactFlash card installed, PIO, DMA and UDMA supported	
Input Voltage	+5.0V +/- 5%	
Power	1.5 Watts	
SATABus	One 1.5Gbps SATA target port	
SATA Bandwidth	Single lane – 150 MBps	
Connectors A1203-ADA-CF2	External	Internal
	One CompactFlash TypeI/II socket	One SATA 7-pin data connector One SATA 10-pin power connector 4 pin 100-mil header jumper block
Form Factor	custom	
Agency Approval	pending	
Environments	Operating	Storage
	-20° to 85° C (A1203-SDD-x) 0° to 70° C (A1203-ADA-CF2)	-40° to +85° C
Relative Humidity	5 to 90% non-condensing	5 to 90% non-condensing

WARRANTY

Astek products are assembled and tested in world-class facilities to assure superior product reliability and performance. See your authorized distributor for warranty information.

For more information please visit the Astek web site at:

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