

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

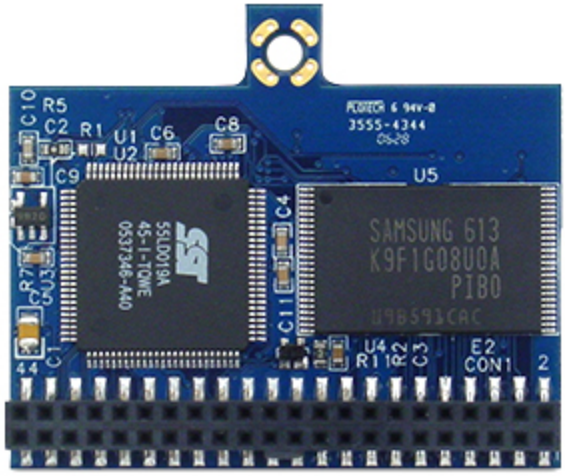
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IDE FLASHDISKS Rugged Solid State Mass Storage for SBCs with IDE Interface

FEATURES

- Mounts on 44-position 2mm pin header
- 128MB to 4GB capacity
- Master/Slave jumper
- Rugged design with mounting screw
- Wide temperature -40 to +85C operation



Bottom view (side facing SBC)



Top view (side facing out)

Products where used:

Helios PC/104 Low-Power SBC with Vortex86DX CPU and Data Acquisition

Standard ATA/IDE Bus interface

512 Bytes per sector

ATA command set compatible

Selectable Master/Slave Operation

Support Data Transfer up to PIO Mode-4

Support up to Multiword DMA Mode-2

Capacities Available (capacities not listed are special order)

32, 64, 128, 256, 512 MB

1, 2, 4, 8 GB

Multi-tasking Technology Enables Fast Sustained Write Performance

Max. 6 MB/sec under PIO mode

Max. 7 MB/sec under DMA mode

Fast Sustained Read Performance

Max. 10 MB/sec under PIO mode

Max. 11 MB/sec under DMA mode

WP_PD# pin configurable by host for prevention of data overwrites

Added data security through User Selectable Protection Zones

Power Management Unit

Immediate disabling of unused circuitry

RoHS Compliant

Zero Power Data Retention

Batteries not required for data storage

Temperature Range

Industrial -40°C to 85°C

Intelligent ATA/IDE Module

Built-in Embedded Flash File System

Implements dynamic wear-leveling algorithms to substantially increase longevity of flash media

Built-in ECC support corrects up to 3 random 12-bit symbols of error per 512 Byte sector

Support Voltage Read and Write Operation

3.3 V and 5.0 V compatibility

Low Power Consumption

Active mode: 35 mA/55 mA (3.3V/5.0V) typical

Sleep mode: 100 A/150 A (3.3V/5.0V) typical

Standard IDE Connector

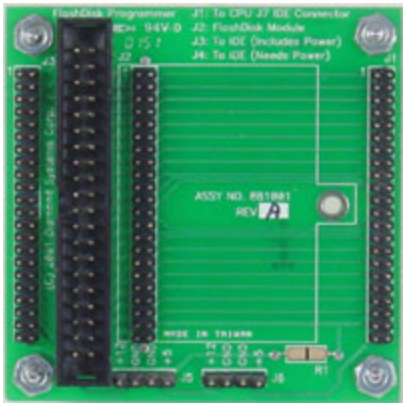
44-pin 2mm pitch socket

Rugged Design

Mounting tab with screw provides secure, shock/vibration-resistant installation

IDE Flashdisk Programming Board

Our ACC-IDEEXT programming adapter is used to connect an IDE flashdisk to a desktop computer via an IDE cable. Both industry-standard cable connections are supported: 40-pin .1 pitch cables and 44-pin 2mm pitch cables. The 44-pin connection includes 5V power; the 40-pin connection requires an external 5V power source. The power connector is compatible with standard desktop PC power supplies.



Ordering Information

Models and Accessories

IDE Flashdisks

Available Models:

FD-256R-XT	256MB IDE Solid State Flashdisk, extended temperature	Available
FD-1GR-XT	1GB IDE Solid State Flashdisk, extended temperature	Available
FD-4GR-XT	4GB IDE Solid State Flashdisk, extended temperature	Available
ACC-IDEEXT	IDE Flashdisk Programming Kit	Available

Please login or signup for an online quote request.

Cables and accessories

Available Models:

ACC-IDEEXT	IDE Flashdisk Programming Kit

Please login or signup for an online quote request.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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