

Store with Reliability

>> *Pretec Tiger Series Mini IDE Flash Disk Drive*

PRETEC[®]
Small size, Big impact.

40-pin Mini IDE



44-pin Mini IDE



Features:

- 40-pin/44-pin Mini IDE interface
- High transfer rate up to 35MB/s under UDMA4 mode
- 100% compatibility with IDE specification
- Form-factor : Reliable solution- Regular form with housing
- Zero-power data retention, no batteries required

Pretec *TIGER SERIES MINI IDE FLASH DISK DRIVE*

Pretec Tiger series Mini IDE Flash Disk Drive (Mini IDE) is a high reliability, high performance, and low noise embedded solid state flash disk drive based on the standard IDE port. Compliant with ISA (Industrial Standard Architecture) bus interface standard, the Tiger series Mini IDE Flash Disk Drive performs sequential read/write for each sector (512 bytes) count. Pretec Tiger series Mini IDE works as a normal IDE-based ATAPI hard disk drive and does NOT need any special driver or BIOS support. It is designed with precision mechanics to enable host devices to read/write from the IDE interface into flash media. The card provides extraordinary memory medium for PC and has been approved through various compatibility tests, including any computer board that features standard 40-pin / pitch 2.54mm or 44-pin / pitch 2.00mm of desktop / notebook type IDE connectors. Pretec Tiger series Mini IDE Flash Disk Drive series are perfect for applications with limited and narrow space in IPC or embedded environments.

Pretec *TIGER SERIES MINI IDE FLASH DISK DRIVE*

Application :

- | | |
|---|--|
| <input type="checkbox"/> Embedded Systems | <input type="checkbox"/> Slot Machines |
| <input type="checkbox"/> Thin Client | <input type="checkbox"/> Industrial PC |
| <input type="checkbox"/> Kiosks | <input type="checkbox"/> Game and Telecommunication Machine |
| <input type="checkbox"/> POS Systems | <input type="checkbox"/> Ticketing, Examining, Testing Machine |
| <input type="checkbox"/> ATMs | <input type="checkbox"/> Military, Health and Production Equipment |

Specifications :

Interface	40-pin/44-pin Mini IDE		
3 variations of mode access	Memory card mode, I/O card mode, True IDE mode (PIO Mode 4, UDMA mode 4, Multi word DMA Mode 2)		
Measures	Mini IDE 40-Pin: 55.5*26.2*6.2mm Mini IDE 44-Pin: 49.2*26.2*6.2mm		
Weight	12 g		
Capacity	256MB to 8GB		
Performance	Read speed up to 35 MB/s Write speed up to 20 MB/s		
Operating Voltage	5V ± 10%		
Operation System supported	DOS, Windows 98/NT/2000/XP/Vista		
Environment conditions	Operating Temperature	Extended Temp.	-20 °C to + 85 °C
		Industrial Temp.	-40 °C to + 85 °C
	Storage Temperature	Extended Temp.	-40 °C to + 90 °C
		Industrial Temp.	-50 °C to + 90 °C
	Humidity	5% to 95%	
	Shock	3000 G	
Vibration Operation	30G peak		
Reliability	MTBF	3,000,000 power-on hours	
	Error Rate	Less than 1 bit error in 10 ¹⁴ bits read (Min.)	
	ECC	Error Correcting of 4 bits random error per sector	
	Endurance	3,000,000 Write/Erase cycle	

Pretec TIGER SERIES MINI IDE FLASH DISK DRIVE

Ordering Part Number :

Type I (40-pin)

0°C~+70°C	256MB	IAM256-C0
	512MB	IAM512-C0
	1GB	IAM01G-C0
	2GB	IAM02G-C0
	4GB	IAM04G-C0
	8GB	IAM08G-C0

-20°C~+85°C	256MB	IAM256-L0
	512MB	IAM512-L0
	1GB	IAM01G-L0
	2GB	IAM02G-L0
	4GB	IAM04G-L0
	8GB	IAM08G-L0

-40°C~+85°C	256MB	IAM256-H0
	512MB	IAM512-H0
	1GB	IAM01G-H0
	2GB	IAM02G-H0
	4GB	IAM04G-H0
	8GB	IAM08G-H0

Type II (44-pin)

0°C~+70°C	256MB	IBM256-C0
	512MB	IBM512-C0
	1GB	IBM01G-C0
	2GB	IBM02G-C0
	4GB	IBM04G-C0
	8GB	IBM08G-C0

-20°C~+85°C	256MB	IBM256-L0
	512MB	IBM512-L0
	1GB	IBM01G-L0
	2GB	IBM02G-L0
	4GB	IBM04G-L0
	8GB	IBM08G-L0

-40°C~+85°C	256MB	IBM256-H0
	512MB	IBM512-H0
	1GB	IBM01G-H0
	2GB	IBM02G-H0
	4GB	IBM04G-H0
	8GB	IBM08G-H0

