

# IFD-108A/250A/350A

1.8" / 2.5" / 3.5" IDE Flash Disk

# IFM-405/445

Flash Disk Module



IFD-180A/250A/350A



IFM-405/445



Single Board Computer

PIAGP Series  
PICMG  
Half-Size  
Industrial Motherboard  
5.25" NOVA  
EPIC NANO  
3.5" WAFER  
ETX  
PC104  
Add-on Card  
I/C Card  
Backplane

LCD Product Series

Chassis

Power supply

Peripheral

## Specifications

- ◆ Compatibility : Full IDE hard disk compatible
- ◆ IDE Controller: SST

Model	Capacity (Unit : Mbyte)
IFD-180	32, 64, 128, 192, 256, 512, 1024, 1536, 2048
IFD-250	32, 64, 128, 192, 256, 512, 1024, 1536, 2048
IFD-350	32, 64, 128, 192, 256, 512, 1024, 1536, 2048

- ◆ Reliability : MTBF : > 1,000,000 hours,
- ◆ Endurance : Write/Erase: 1 Million cycles (typ.)  
Read : Unlimited
- ◆ System Performance : Access time : < 0.1ms, Track to track seek time : < 0.1ms, Bus transfer speed : 16.7Mbytes/Sec.
- ◆ Power Requirement : DC input; +5V±10%
- ◆ Operating Temperature : -10°C ~ 70°C
- ◆ Storage Temperature : -25°C ~ 85°C
- ◆ Humidity : 5 ~ 95% non-condensing
- ◆ Shock : 1,000G max.
- ◆ Vibration : 15G peak-to-peak max.
- ◆ Acoustic Noise : 0dB
- ◆ Altitude : 50,000 feet

For other capacity flash disk, please contact supplier

## Specifications

- ◆ Compatibility : Full IDE hard disk compatible
- ◆ IDE Controller: SST
- ◆ Capacity : 32MB, 64MB, 128MB, 192MB, 256MB, 512MB
- ◆ Connector : IFM-405 : 40-pin, 2.54mm pitch  
IFM-445 : 44-pin, 2.00mm pitch
- ◆ Reliability : MTBF : > 1,000,000 hours
- ◆ Endurance : Write/Erase: 1 Million cycles (typ.)  
Read : Unlimited
- ◆ System Performance : Access time : < 0.1ms  
Track to track seek time : < 0.1ms  
Bus transfer speed : 16.7Mbytes/Sec.
- ◆ Power Requirement : DC input; +5V ±10%
- ◆ Power Consumption (Typical):

Mode	@+3.3V±5%	@+5V±10%
Sleep	200µA	500µA
Read	21mA	34mA
Write	24mA	34mA

- ◆ Operating Temperature : -10°C ~ 70°C
- ◆ Storage Temperature : -25°C ~ 85°C
- ◆ Humidity : 5 ~ 95% non-condensing
- ◆ Altitude : 50,000 feet
- ◆ Dimensions : 58(W) x 38.8(H) x 9.1(D)mm (IFM-405)  
52.8(W) x 34.9(H) x 7.7(D)mm (IFM-445)

## Ordering Information

- IFD-180A-MB 1.8" IDE flash disk
  - IFD-250A-MB 2.5" IDE flash disk
  - IFD-350A-MB 3.5" IDE flash disk
- Capacity size of each flash disk

## Ordering Information

- IFM-405-MB  
MB IDE flash disk module, 40-pin
  - IFM-445-MB  
MB IDE flash disk module, 44-pin
- Capacity size of each flash disk