

Industrial Flash Module Series

iCF/iFM Series Specification

Item	iCF 1000	iCF 1000+	iFM 4000/iFM 4400 iFP 4000/iFP 4400	iFM 4000+/ iFM4400+ iFP 4000+/iFP4400+	iFM-3000I		
Picture							
Part no.	-10°C~+70°C -40°C~+85°C	ICF-1000I-xxx ICF-1000W-xxx	ICF-1000IP-xxx ICF-1000WP-xxx	IFM-4000I-xxx/IFM-4400I-xxx IFP-4000I-xxx/IFP-4400I-xxx	IFM-4000IP-xxx/IFM-4400IP-xxx IFP-4000IP-xxx/IFP-4400IP-xxx	IFM-3000I N/A	
Capacities	32 MB~8 GB		32 MB~8 GB	32 MB~8 GB	32 MB~8 GB	128 MB ~ 8 GB	
Interface	50-pin CF Type1		40-pin or 44-pin IDE/ATA		Serial ATA I		
IDE transfer mode	PIO mode 0-4 MwDMA mode 0-2 UltraDMA mode 0-2		PIO Mode 0-4 MwDMA Mode 0-2 UltraDMA Mode 0-2		PIO Mode 0-4 MwDMA Mode 0-2 UltraDMA Mode 0-4		
Data transfer rate	32 MB~2 GB(single): Read-10 MB/sec./Write-6 MB/sec. 2 GB~8 GB(dual): Read-20 MB/sec./Write-11 MB/sec.		32 MB~2 GB(single): Read-20 MB/sec./Write-8 MB/sec. 2 GB~8 GB(dual): Read-40 MB/sec./Write-20 MB/sec.		32 MB~2 GB(single): Read-10 MB/sec./Write-6 MB/sec. 2 GB~8 GB(dual): Read-20 MB/sec./Write-8 MB/sec. 2 GB~8 GB(dual): Read-40 MB/sec./Write-20 MB/sec.		Read-30 MB/sec. Write-30 MB/sec.
Protocol mode	PCMCIA v2.1 and PC card v2.1 ATA standard compatible		PCMCIA v2.1 and PC card v3.0 ATA standard compatible		N/A		
Access mode	Memory mode, I/O mode, Ture-IDE mode						
Storage temp.	-45°C~+95°C						
Humidity	10%~95% non-condensing						
Vibration	5 G(7~2000 Hz)					5 G(7~500 Hz)	
Shock	50 G/10 ms						
ECC technology	High reliability based on the internal ECC function						
MTBF	>3,000,000 hours						
R/W endurance	2,000,000 times						
Wear-leveing	Support						
DC input voltage	+3.3V/+5V single power supply operation					+5V single power supply operation	
Power mode	Auto stand-by and sleep mode					Auto stand-by	
Power consumption	150 mA(max.)					230 mA(max.)	
Enclosure material	CF and plastic frame with metal cover					PC mechanical cover and UL-9	
Dimensions	42.8x36.4x3.3 mm(WxLxH)		Vertical 40-pin:60.2x27.8x6.4 mm ; Vertical 44-pin:50.3x27.3x5.8 mm Horizontal 40-pin:55x32.4x9 mm ; Horizontal 44-pin:48.2x32.6x8.6 mm		21.00x39.35x8.00 mm(WxLxH)		
Certificate	CE,FCC,ROHS						

iFD Series Specification

Item	iFD-2500	iFD-M250I	iFD-2500C(2500W)	iFD-2500I	
Picture					
Part no.	-10°C~+70°C -40°C~+85°C	IFD-2500I-xxx IFD-2500W-xxx	IFD-M250I-xxx N/A	IFD-2500CS-xxx/IFD-2500CD-xxx IFD-2500WS-xxx/IFD-2500WD-xxx	IFD-2500IS-xxx N/A
Capacities	32 MB~8 GB		128 MB~8 GB	128 MB~8 GB	8 GB~128 GB
Interface	44-pin(2.0 mm) IDE/ATA		Serial ATA I		Serial ATA II
Transfer mode	PIO mode 0-4 MwDMA mode 0-2 UltraDMA mode 0-2		PIO mode 0-6 MwDMA mode 0-2 UltraDMA mode 0-4		N/A
Burst speed rate	66.6 MB/sec.		N/A		150 MB/sec.
Data transfer rate(max.)	Read-30 MB/sec. Write-22 MB/sec.		Single: Read-18MB/sec. Write-7MB/sec. Dual: Read-38MB/sec. Write-18MB/sec.		Single: Read-20MB/sec. Write-20MB/sec. Dual: Read-30MB/sec. Write-30MB/sec.
Storage temp.	-45°C~+95°C				
Humidity	10%~95% non-condensing				
Vibration	2 G(7~700 Hz)				
Shock	1500 G/0.5 ms				
ECC technology	High reliability based on the internal ECC function				
MTBF	>3,000,000 hours				
R/W endurance	2,000,000 times				
Wear-leveing	Support				
DC input voltage	+5V single power supply operation				
Enclosure material	Metal mechanical cover				
Dimensions	69.8x100.1x9.5 mm(WxLxH)		69.63x99.88x9.3 mm(WxLxH)		
Certificate	CE,FCC,ROHS				