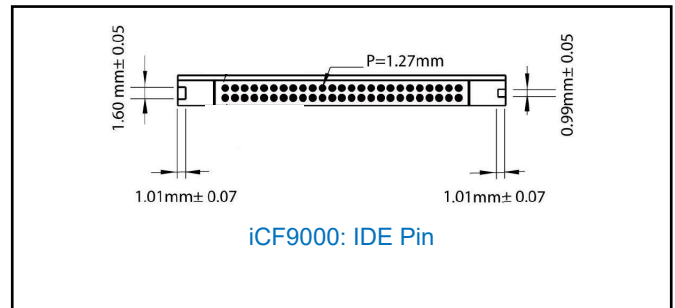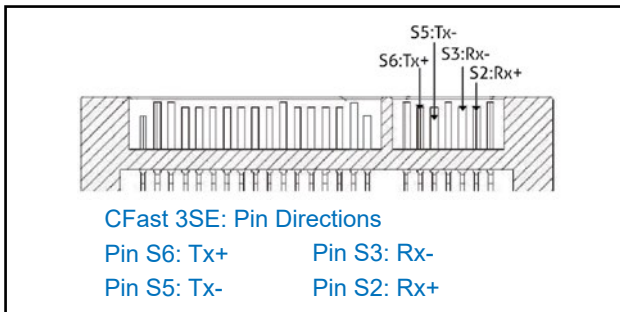# Industrial CFast & CF Card Series

■ Similar size, different read and write speeds

With a similar size, CFast is mainly different from CF card in its interface, connector, and most importantly, faster read and write speeds. CFast, with SATA 6Gb/s interface and 7-pin plus 17-pin connector, offers data transfer rates of sequential reads up to 470 MB/sec and of sequential writes up to 250 MB/sec. CF card, with PATA interface and 50-pin CF connector, offers data transfer rates of sequential reads up to 100 MB/sec and of sequential writes up to 95 MB/sec.

■ ATA security for CF card

The optional ATA Security Mode feature set is a password system that restricts access to user data stored on a device. The purpose is to prevent unauthorized access or a virus.

CFast 3SE: Pin Directions

Pin S6: Tx+   Pin S3: Rx-
Pin S5: Tx-   Pin S2: Rx+

iCF9000: IDE Pin

Model Name		ICT-2000 AS	ICT-2000 AM	ICF-9000	ICF-2000	ICF-1000	
Picture							
Capacity		2GB~64GB	8GB~128GB	4GB~32GB	512MB~8GB	128MB~8GB	128MB~16GB
Sequential R/W (Max.)		285/260 MB/sec	310/240 MB/sec	110/100 MB/sec	40/30 MB/sec	40/28 MB/sec	30/15 MB/sec
Flash Type		SLC	MLC	SLC	SLC	SLC	SLC
IDE Transfer Mode		Yes	Yes	PIO mode 0-6 MwDMA mode 0-4 UltraDMA mode 0-7	PIO mode 0-4 MwDMA mode 0-4 UltraDMA mode 0-4	PIO mode 0-4 MwDMA mode 0-4 UltraDMA mode 0-4	PIO mode 0-6 MwDMA mode 0-4 UltraDMA mode 0-4
Operating Temp.		0°C~+70°C (Standard)/-40°C~+85°C (Industrial)					
Storage Temp.		-40°C~+100°C		-55°C~+95°C			-40°C~+100°C
Vibration/Shock (7/2000Hz)/(0.5ms)		Vibration: 15 (G), 10~2000 (Hz) Shock: 1,500 G, 0.5 ms		1500G/0.5ms			1500G/0.5ms
DC Power Input		Supply voltage: 3.3V		ICF: +3.3V-+5V single power supply operation			Supply voltage: 3.3V & 5V
Power Consumption (Max.)		390mA	525mA	0.75W (5V x 125mA@210mA)			95 mA
Dimensions (mm)		42.8 x 36.4 x 3.6		42.8 x 36.4 x 3.3			42.8 x 36.4 x 3.3
ATA Security		Yes	Yes	Yes	Yes	Yes	Yes
S.M.A.R.T		Yes	Yes	Yes	Yes	Yes	No
P/N	STD (0°C~+70°C)	ICT-2000IA-2GB ICT-2000IA-4GB ICT-2000IA-8GB ICT-2000IA-16GB ICT-2000IA-32GB ICT-2000IA-64GB	ICT-2000IAM-8GB ICT-2000IAM-16GB ICT-2000IAM-32GB ICT-2000IAM-64GB ICT-2000IAM-128GB	ICF-9000CD-4GB ICF-9000CD-8GB ICF-9000CD-16GB ICF-9000CD-32GB	ICF-2000IPS-512MB ICF-2000IPD-1GB ICF-2000IPD-2GB ICF-2000IPD-4GB ICF-2000IPD-8GB	ICF-1000IPD-1GB-R20 ICF-1000IPD-2GB-R20 ICF-1000IPD-4GB-R20 ICF-1000IPD-8GB-R20	ICF-1000IA-128MB-R20 ICF-1000IA-256MB-R20 ICF-1000IA-512MB-R20 ICF-1000IA-1GB-R20 ICF-1000IA-2GB-R20 ICF-1000IA-4GB-R20 ICF-1000IA-8GB-R20
	WT (-40°C~+85°C)	ICT-2000WA-2GB ICT-2000WA-4GB ICT-2000WA-8GB ICT-2000WA-16GB ICT-2000WA-32GB ICT-2000WA-64GB	ICT-2000WAM-8GB ICT-2000WAM-16GB ICT-2000WAM-32GB ICT-2000WAM-64GB ICT-2000WAM-128GB	ICF-9000WD-4GB ICF-9000WD-8GB ICF-9000WD-16GB ICF-9000WD-32GB	ICF-2000WPS-512MB ICF-2000WPD-1GB ICF-2000WPD-2GB ICF-2000WPD-4GB ICF-2000WPD-8GB	ICF-1000WPD-1GB-R20 ICF-1000WPD-2GB-R20 ICF-1000WPD-4GB-R20 ICF-1000WPD-8GB-R20	ICF-1000WA-128MB-R20 ICF-1000WA-256MB-R20 ICF-1000WA-512MB-R20 ICF-1000WA-1GB-R20 ICF-1000WA-2GB-R20 ICF-1000WA-4GB-R20 ICF-1000WA-8GB-R20