

# 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.

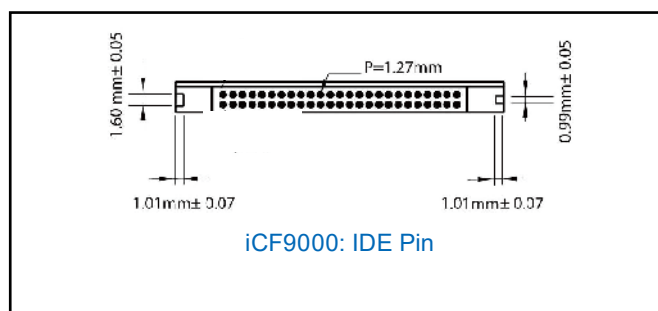
## ■ ATA security for CF card

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



iCF9000: IDE Pin

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