

# MEMORY CARDS

## High-speed SATA 3Gbps Industrial CFAST



- Compliance with CFast v1.1
- SATA 3.0Gb/s interface high-speed access
- SLC NAND Flash technology, 1G – 32G
- Operating Temperature range 0°C~70°C or -40°C~85°C
- SSD Life Monitor software, S.M.A.R.T available
- Excellent durability in extreme environments
- Designed for Professionals
- Made in Taiwan with Industrial test process & fixed BOM

### Technical data:

#### Electrical & performance:

|                      |                   |
|----------------------|-------------------|
| Interface:           | SATA Revision 3.0 |
| Connector:           | CFast type I      |
| Operating frequency: | 300MHz            |
| DC input voltage:    | + 3.3 +/-5%       |

#### Environmental:

|                        |  |
|------------------------|--|
| Operating temperature: | Standard 0°C ~ +70°C or wide -40°C ~ +85°C |
| Storage temperature:   | -40°C ~ +85°C                              |
| Humidity:              | 95% under 55°C                             |
| Vibration:             | 20G (80-2000Hz)                            |
| Shock:                 | 1500G (0.5ms)                              |
| ESD proof:             | Yes, +/-4kV                                |

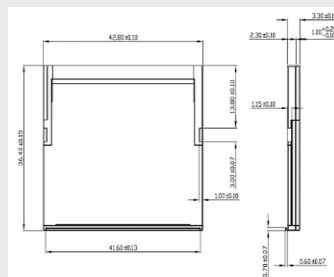
#### Reliability:

|                                  |                            |
|----------------------------------|----------------------------|
| Read/write speed:                | 240MB/s / 120MB/s (max) ** |
| TBW (max.) :                     | 158.84 Tera-Bytes          |
| Program/Erase cycles:            | 100.000 cycles             |
| Data retention:                  | 10 years                   |
| Number of insertion reliability: | 10.000 times               |
| MTBF:                            | 2.000.000 hours            |

#### Mechanical & Certificates:

|              |  |
|--------------|--|
| Size:        | 42.8x36.4x3.3mm                              |
| Weight:      | 9g (CFast card only), 15g packed in minicase |
| Certificate: | CE/FCC/BSMI/RoHS                             |

#### Dimensions:



#### Ordering information:

| SLC (Standard temp) | SLC (Wide temp) | Capacity |
|---------------------|-----------------|----------|
| 66PH001GCX-PM       | 66PH001GIX-PM   | 1GB      |
| 66PH002GCX-PM       | 66PH002GIX-PM   | 2GB      |
| 66PH004GCX-PM       | 66PH004GIX-PM   | 4GB      |
| 66PH008GCX-PM       | 66PH008GIX-PM   | 8GB      |
| 66PH016GCX-PM       | 66PH016GIX-PM   | 16GB     |
| 66PH032GCX-PM       | 66PH032GIX-PM   | 32GB     |

\*\* Performance may not be achieved depending on the actual usage environment and conditions.