



## C670 / C670A Series CompactFlash

### Product Highlights

- CF 6.0 Compliant, Type I (3.3mm) Standards
- Supports UDMA 7, PIO6 & MDMA4 in True-IDE Mode
- 4GB to 64GB in SLC flash
- -40 to 85°C Operating Temp
- Read / Write Speeds up to 150 / 135MB/s in SLC flash\*

*\*Capacity Dependent*

### C670 / C670A Series CompactFlash Product Description

For embedded applications requiring maximum speed, high capacity or both, the Delkin C670 Series CompactFlash cards utilize a 4-channel UDMA 7 controller to deliver the fastest and largest capacity industrial temperature solutions on the market. Cards are available in sizes up to 64GB SLC, delivering read speeds up to 150MB/s.

Voltage detection circuitry ensures that no updates to the flash occur below 2.7V, thereby protecting firmware and critical data from corruption. SMART data is a valuable feature to monitor critical parameters of the card – including P/E cycles, bad blocks, spare blocks and estimated remaining life, for preventive maintenance purposes.

Delkin uses a smart part numbering system to control major BOM components, requiring a part number change if the controller, firmware or flash changes in a device. A strong life cycle management program notifies customers in advance if a part number is being discontinued, with opportunities for last time buys and qualification of replacement parts.

Delkin specializes in customization of cards to meet individual customer needs – including custom labels, content & image loading, serialization, conformal coating and custom shock & vibration testing or mechanical adaptations to mitigate severe environmental conditions. Contact Delkin to find out how we can customize cards to meet your requirements.

Click here to see the other types of CF cards offered by Delkin, such as the [C400 Series CompactFlash](#), or the [C500 Series CompactFlash](#)

### C670/ C670A Series CompactFlash Part Numbers

Capacity	C670 Series SLC Flash	C670A Series SLC Flash
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Capacity	C670 Series SLC Flash	C670A Series SLC Flash
4GB	CE04TMCVR -FD000-D	CE04TQHGL-FD000-D
	CE04TMCVR -F1000-D	CE04TQHGL-F1000-D
	CE04TMCVR -XX000-D	CE04TQHGL-XX000-D
	CE04TMCVR -X1000-D	CE04TQHGL-X1000-D
8GB	CE08TLQVR -FD000-D	CE08TQSGL-FD000-D
	CE08TLQVR -F1000-D	CE08TQSGL-F1000-D
	CE08TLQVR -XX000-D	CE08TQSGL-XX000-D
	CE08TLQVR -X1000-D	CE08TQSGL-X1000-D
16GB	CE16TGPVR-FD000-D	CE16TQJGL-FD000-D
	CE16TGPVR-F1000-D	CE16TQJGL-F1000-D
	CE16TGPVR-XX000-D	CE16TQJGL-XX000-D
	CE16TGPVR-X1000-D	CE16TQJGL-FX1000-D
32GB	CE32MGGYR-FD000-D	CE32TNKGL-FD000-D
	CE32MGGYR-F1000-D	CE32TNKGL-F1000-D
	CE32MGGYR-XX000-D	CE32TNKGL-XX000-D
	CE32MGGYR-X1000-D	CE32TNKGL-X1000-D
64GB	CE64MGMYR-FD000-D	CE64TNJGL-FD000-D
	CE64MGMYR-F1000-D	CE64TNJGL-F1000-D
	CE64MGMYR-XX000-D	CE64TNJGL-XX000-D
	CE64MGMYR-X1000-D	CE64TNJGL-X1000-D

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## Technical Specifications

### Environment

**Operating Temp**  
-40 to +85°C

**Storage Temp**  
-50 to +100°C

**Shock<sup>1</sup>**

10G, 11msec – Sawtooth Waveform

**Vibration<sup>2</sup>**

7.7GRMS

20Hz – 1000Hz @ 0.04 G2/Hz,

1000Hz – 2000Hz @ 0.01 G2/Hz

**Reliability / Endurance****TBW<sup>3</sup>**

SLC: 937 TBW

**MTBF**

&gt; 2 million hours (0 to +25°C)

&gt; 100,000 hours (60°C)

**Capacity Range****SLC**

4GB – 64GB

**Performance<sup>4</sup>****SLC**

Sequential Read up to 150MB/s

Sequential Write up to 135MB/s