



SYCARD
TECHNOLOGY

PRODUCT BRIEF

CF extend 166/167

CompactFlash™-to-PC Card
Flexible Adapter/Extender Card

Overview

The CF extend 166 and 167 CompactFlash™ to PC Card adapters are designed to allow a 68-pin PC Card to be plugged into a CompactFlash™ socket. The CF extend 166/167 is constructed with a flexible circuit to allow the PC Card to be mounted in a number of orientations.

The CF extend 166/167 can be used for a wide variety of application including:

- Wireless cards
- ATA Flash PC Cards
- Data acquisition cards
- Communications Cards

Available in two models, the CF extend 166 is for 3.3V keyed 16-bit PC Cards and the CF extend 167 is for 5V keyed PC Cards. The CF extend is a strictly a passive interface from the PC Card to the CompactFlash™ host. No voltage conversion/regulation or signal level conversion is provided. Before purchasing the CF extend 166/167, the user should verify that the PC Card is compatible with the intended CompactFlash™ host.



There are several issues that will determine if the 16-bit PC Card can work with the CF extend 166/167:

Power Consumption	Most CompactFlash™ hosts can only supply 100mA of current. Some PC Cards may draw as much as 700-1000mA.
Operating Voltage	Compact Flash™ hosts can provide 3.3V, 5V or both. The user should confirm if the PC Card operating voltage is compatible with the CompactFlash™ host.
Driver support	Most CompactFlash™ sockets are controlled by Microsoft's WinCE operating system. The user must verify if this driver support is provided by the PC Card vendor.
Address lines	The CompactFlash™ interfaces supplies 11 address lines while the PC Card interface supplies 26. In many cases the PC Card's upper order address lines are not used. The user must verify that a PC Card does not require more than the 11 address lines supplied on the CompactFlash™ interface.

In order to determine if a particular card/host combination will work, Sycard offers a more flexible development card, the CF extend 165. The CF extend 165 provides probe points and current measurement test points to allow for detailed compatibility analysis.

The CF extend 166/167 models are constructed of high quality materials for long service life. Connectors are rated for 10,000 insertion/removal cycles and the Kapton circuit board allows for maximum flexibility and wear resistance.

Detailed drawings, applications notes and questions and answers can be found on Sycard Technology's web site at www.sycard.com.

Mechanical Specifications

- Width: 2.44" (5.98cm)
- Length: 4.45" (11.3cm)
- Thickness: 0.33" (0.84cm)
- Weight: 0.6 oz



Accessories Supplied

- CF extend 166/167 User's Manual

CompactFlash™ is a trademark of the CompactFlash Association