

# PC Card Connectivity

durable  
 durable  
 mobile computing  
 mobile computing  
 field proven  
 field proven  
 high performance  
 high performance  
 reliable

Radix is a leading supplier of mobile computing technology.

Our data capture solutions are found in applications, such as meter reading, route accounting, traffic ticketing and inspection, maintenance and research, where ruggedness, reliability and state of the art design are paramount.

## PC Card Options for the FW300 and FW500 Ultra-Rugged Handheld Computers.

The variety of PC [PCMCIA] Card and CF [Compact Flash] card offerings in the market place is improving rapidly. The FW300 and FW500 ultra-rugged handheld computers from Radix are both able to take two type I or two type II or one type III PC Cards to enhance the options for the product. Each type II PC Card slot can house a Compact Flash card using a passive carrier.

Any required PC Card can be used in conjunction with the Radix FWP-30 integrated thermal printer and a back box peripheral, such as the integral barcode reader or image capture device. This unique product design from Radix ensures that a one-handed solution can always be implemented. Radix are able to house 'oversize' cards with a specially designed PC Card cover to house antennas. With the modular design of the FW300 and FW500 implementation of PC Cards is straightforward.

Some of the most employed PC Card options for the mobile computing environment include GSM Cards [European standard, CDPD American standard or GSM International standard], which offer 'real-time' communications via a SIM card and the appropriate mobile network. These cards can, depending on the application, be used as a wireless PC Card modem. With appropriate software these cards allow data collection and updates to become 'real-time' actions.

Additional memory PC Cards are also a popular choice as they offer high-capacity storage capabilities for users requiring more storage than the 32Mb currently available in the FW500 unit. Micro drives are available offering up to 1GB in each card, therefore a maximum of 2GB could be utilized within either the FW300 or the FW500 unit. RAM and FLASH memory cards are also available to 'top-up' the current handheld computers memory.



FW500 unit with FWP-30 integrated printer and GSM PC Card cover to maintain IP67 integrity



### GSM Benefits:

- 'Real-time' working environment
- Can be used in conjunction with another PC Card
- Wireless communications
- Connection to world-wide mobile networks
- Truly mobile communications

### High-Capacity Memory Drive Benefits:

- Increased field storage capacity
- Reduces the need to download data
- Improved productivity
- Improved data accessing speeds
- Can be used in conjunction with another PC Card

...integrated printing, barcode reading, image capture and more...

[www.radix-intl.com](http://www.radix-intl.com)



Radix offers optional integrated peripherals, and external thermal printers.



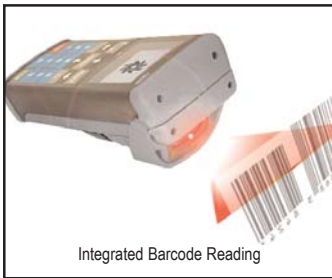
Integrated Image Capture Device



FW300 with the FWP-30 Integrated Printer



Integrated Printing



Integrated Barcode Reading

## PC Card Options for the FW300 and FW500 Ultra-Rugged Handheld Computers.

RF LAN PC Cards [Radio Frequency Local Area Network] offer increased freedom to the Radix handheld computers. Utilizing these cards makes it possible to access real-time data over a radio network almost instantaneously, offering access to, and the updating of, a central database of information while mobile.

IEEE802.11b is fast becoming the standard for low power [unlicensed] radio data communications, allowing inter-activity between card manufacturers and the radio backbone that has been installed at the site.

GPS PC Cards are also available to provide exact position and navigation systems to handheld computer users.

Bluetooth is a radio system which is also available on PC Cards. This revolutionary communications network allows the communication between items within a 10 meter range of the host device.

Bluetooth ensures that downloading can be achieved by walking into a room with the host system, so can uploading. A handheld unit can communicate with a printer, PC, other handheld computer, mobile phone or any other device complete with the Bluetooth technology.

Whatever the application or PC Card or CF Card requirement for a mobile data collection system, Radix is happy to discuss it.

With a unique and comprehensive integral product range, all of which can be utilized whilst receiving the additional benefits from up to two PC Cards, Radix is a total mobile computing solution provider.



### RF LAN Benefits:

- 'Real-time' data transfer
- Localized RF [no data transfer costs]
- Networkable directly, or via PC
- Each card has its own IP address
- Can be used in conjunction with another PC Card

### Bluetooth Benefits:

- Short range communication to all manner of devices
- Again 'real-time' data transfer
- Negates the need for cables and wires
- Can be used in conjunction with another PC Card

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... over 30 years of manufacturing experience in the rugged mobile computing market...

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