



# Madge WLAN Adapters

Datasheet  
Part Numbers  
95-31 and 95-20



## Madge WLAN PCMCIA Adapter 802.11b

- Cost effective 802.11b Wireless Networking
- Enterprise level security with 802.1x and EAP-TLS
- Simple to install and easy and use
- Includes 'State of the art' Smart Client 802.1x Software offering a single step logon process
- Integrates desktop PC's with Wireless LANs
- Standards compliant security

The Madge WLAN PCMCIA Adapter enables Wireless connectivity between PCs and 802.11b compliant Wireless LANs. As a PCMCIA card, it operates with either laptop PC's or desktop computers when used in conjunction with the Madge WLAN PCI Adapter. The Wireless LAN Utility client software enables per-session WEP encryption to guard against wireless data theft.

### Specifications Part Number 95-31

Wireless Standard	IEEE802.11b
Band	2.400 GHz~2.4835GHz DSSS (Direct Sequence Spread Spectrum)
Modulation	QPSK/BPSK/CCK
Host Interface	PCMCIA Type II
Antenna	Built-in dielectric antenna
Security	802.1x authentication with EAP-TLS mutual certificate exchange when used with Wireless LAN utility client software 64-bit and 128-bit Wired Equivalent Privacy (WEP) encryption
RF Channels	11 Channels (US, Canada) 13 Channels (Europe) 14 Channels (Japan)
Data Rate	11Mbps with automatic scale back to 5.5, 2 or 1Mbps
Range	Outdoor: 100~300M Indoor: 40~120M
Power Consumption	TX power consumption < 320mA RX power consumption < 200mA RF Output Power 15dbm (typical)
Sensitivity	-80dbm Min
LED Indicators	Link status
OS Support	Windows 98SE/ME/2000/XP
Temperature	Operating: 0°C ~ 55°C
Storage	-20°C ~ 75°C
Humidity	95% Non-Condensing
Certification	FCC, CE
Dimensions	115mm x 54mm x 8mm

## Madge WLAN PCI Adapter 802.11b

- Integrates desktop PCs with Wireless connectivity
- Compatible with the Madge 95-31 PCMCIA Adapter
- Broad operating system and platform support
- Simple to install and easy and use
- Standards compliant security

The Madge WLAN PCI Adapter is a high performance 'carrier adapter' for the Madge WLAN PCMCIA Adapter and offers a cost effective, enterprise class security Wireless network solution. The WLAN PCI Adapter is compliant with the 16-bit and 32-bit PC Card/CardBus specification defined in PCMCIA Release 2.1 and JEIDA 4.1 and supports 8-bit, 16-bit or 32-bit PC cards powered at 3.3V or 5.0V.

### Specifications Part Number 95-20

Operating system support	Windows 98SE/ME/2000/XP
Standards	PC Card 95/97 16-bit PC Card standard 32-bit CardBus standard ACPI (PCI Power Management 1.0) PCI Local Bus Specification 2.1 R5C475 II
Interface	VCC 5.0V, 1A, VCC 3.3V, 1A
Power Supply	104mm (L) X 98mm (W)
Dimensions	

### Madge Office Locations

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# Madge Wireless Networking

## Madge and WLAN

The business benefits of wireless networking are clear. Networking requirements are rapidly evolving, with an increasing demand for a more mobile workforce and streamlined network running costs. These are both required to obtain a competitive business advantage.

Wireless networking has different challenges to those of wired networks, with network security and management being key concerns for network managers. As the use of wireless PCs, PDAs and Access Point devices becomes more widespread, the need to protect corporate data is paramount.

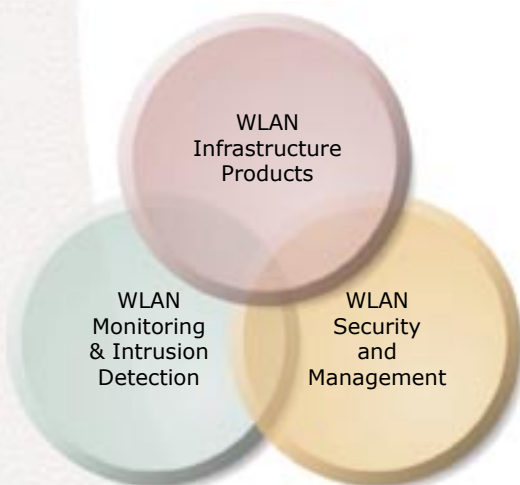
Madge has a history of over 15 years expertise in delivering mission-critical enterprise class networking solutions. Today, Madge is pioneering next-generation networking solutions, which enable the painless and secure deployment of corporate wireless networks, whilst protecting the customer's investment in existing LANs.

## Enterprise-class WLAN Security and Management

Madge has an enviable reputation for innovation, product quality and customer service. Madge continues to be committed to satisfying our customers changing networking requirements.

Madge WLAN infrastructure, security and management tools enable the scalable, multi-vendor deployment of WLANs in enterprises.

## Madge - A Complete WLAN Solution



## Standards Compliance

Madge is committed to standards-based solutions in order to ensure maximum interoperability between products from different vendors, therefore avoiding problems of 'vendor lock-in'.

All Madge WLAN products comply with relevant 802.11 a/b/g, 802.3 or Bluetooth standards. EAP-TLS is supported throughout to provide the best authentication protocol. This eliminates management issues with WEP keys and, more importantly, uses mutual certificate authentication to determine if a user is allowed to connect to the network.

An overview of Madge WLAN adapters is featured overleaf. For additional product information, datasheets and whitepapers, please visit [www.madge.com/wireless](http://www.madge.com/wireless).

## Ordering Guide

Madge WLAN Probe 2	Part No.
Madge WLAN Probe 2	97-03~
Madge WLAN Probe 2 (5 Pack)	97-04~
Madge WLAN Probe 2 (10 Pack)	97-05~
Madge WLAN Probe Monitor	Part No.
Madge WLAN Probe Monitor with 5 Probe License	95-71~
Additional 5 Probe License	95-81
Additional 10 Probe License	95-82
Additional 15 Probe License	95-83
Additional 50 Probe License	95-84
Madge WLAN Security Starter Pack	Part No.
Madge WLAN Probe Monitor, 2 x Probe 2 Starter Pack (also includes 5 Probe License)	95-75~
Madge WLAN Enterprise Access Server	Part No.
Smart Wireless Enterprise Access Server Media Pack	95-02
5 device license	95-60
10 device license	95-61
15 device license	95-66
50 device license	95-62
200 device license	95-64
1000 device license	95-67
Madge WLAN Enterprise Access Server Starter Pack	Part No.
Madge WLAN Enterprise Access Server Starter Pack (Reseller use only)	95-80
Madge WLAN Enterprise Access Server Evaluation Pack (includes Media Pack and Evaluation CD)	95-03
Madge WLAN Adapters and Access Points	Part No.
Madge WLAN Adapter 802.11b PCMCIA	95-31
Madge WLAN Adapter 802.11b PCI (Requires Advanced Adapter PCMCIA (95-31))	95-20
Madge WLAN Access Point 802.11b	95-10~
Madge WLAN Starter Packs	Part No.
Madge WLAN Starter Pack 1 x Access Point (95-10) and 2 x PCMCIA (95-31)	95-40~
Madge WLAN Starter Pack 2 2 x Access Point (95-10) and 10 x PCMCIA (95-31)	95-41~

~Order Power Cord Separately

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