



Madge WLAN Enterprise Access Server 100

Data Sheet

Part Number 95-93

Multi-Vendor WLAN Policy-based Security and Management



- Enables easy WLAN deployment
- Combines Security and Wireless Management
- Integrates Wireless and Wired LANs
- Multi-Vendor Access Point SNMP-based management
- Open and industry standards compliance

Secure WLAN Network 'In a Box'

The Madge WLAN Enterprise Access Server 100 (Access Server) delivers a secure standards compliant set of services which dramatically simplifies the security and integration challenges unique to the implementation of a wireless infrastructure.

The Access Server provides centralized management for the wireless network, administers the security, the wireless devices and interfaces between the wireless and wired network.

You are able to take complete control of your wireless network from a single point, as the Access Server allows you to establish a security policy that can be automatically applied to many vendors SNMP manageable 802.11a/b/g Enterprise Access Points.

In addition, the Access Server provides a range of integrated functions that usually require separate installation and management, such as RADIUS server, firewalls, wired and wireless integration, Certificate Authority and management.

The Access Server 100 deploys and manages up to 5 Access Points and is suitable for use within a workgroup, branch or small/medium business office with up to 100 users depending on configuration.

Multi-Vendor WLAN 'Loadable Module' Technology

A key function of the Access Server is the ability to establish a Security Policy that can be automatically applied to Access Points on your network. In addition to Madge Access Points, via Madge Loadable Module Technology, it can support many SNMP manageable Access Points, including devices from Cisco, Proxim, Symbol, D-Link, 3Com, Intel and Avaya.

Madge Loadable Module Technology allows the integration of future wireless technology and will ensure investment protection with your existing WLAN products.

Easy Set-Up And Zero Configuration

Customers using Madge WLAN Access Points will benefit from the automatic set up function when connecting to the

Access Server, which also enforces the security policy you have specified. This is zero-configuration at its best, ensuring that your network is safe from attacks through un-configured or poorly configured Access Points.

Enterprise Class Security Management

The Access Server implements industry standard security mechanisms that guard the enterprise data from wireless intrusion – for example it fully supports 802.1x using EAP-TLS, which, with its mutual certificate authentication, is recognized as the strongest authentication solution. Put simply, once an Access Point is under the control of the Access Server, and 802.1x policy is applied, that Access Point will block any non-authenticated wireless client from connecting to your wired network.

Reduced Complexity

By integrating both RADIUS and Certificate Authority functionality into the Access Server, the user can create certificates for clients and choose overall policy with a few mouse clicks. The RADIUS server, which is used to authenticate clients, is completely transparent and requires no user configuration, while the Certificate Authority lets you generate certificates for clients within seconds of starting the server for the first time – a real benefit compared to other systems.

As part of your security regime, you can also set up the following:

- MAC address Access Control Lists allowing or denying specific clients to connect to your Access Points. Radius MAC is supported.
- The type of WEP encryption to use for all clients. Note that under 802.1x you can rely on automatic WEP key management, so there is no more typing long key strings into all your devices.
- Firewall Services to enable or deny access to particular IP ports and services (in gateway mode).
- Virtual Private Networking (VPN) to allow IPSec clients to communicate using highly secure tunnels over the wireless connection.

The WLAN Enterprise Access Server 100 has two modes of operation:

- In **Gateway Mode** the WLAN Enterprise Access Server 100 requires two network interfaces, one for connection to the wired network and the other for connecting to the wireless network (i.e. to the Access Points). This is the most secure installation method as the wired network is separated from the Wireless network using the included Firewall functionality.

- In **Controller Mode** the WLAN Enterprise Access Server 100 requires only a single network interface for connecting to the LAN. This mode provides greater scalability than Gateway Mode and is recommended for larger installations.

Integrates Easily Into An Existing Network

The Access Server can be integrated into existing network management systems using the SNMP interface. The Wireless network can be closely monitored and easily maintained using the comprehensive statistics and event logging, group management and software upgrade features.

Management Tools

Policy-Based Management

The administration of wireless networks with multiple users, wireless devices and Access Points is simplified by using policy-based management. This allows users, wireless devices and Access Points to have key features and platform parameters set up for each group, rather than having to set each element individually.

Secure Web-Based Management

The wireless network can be managed from a web browser using its web management interface. This can be run over a secure link using HTTPS to prevent unauthorized users attempting to change the configuration of the wireless network.

Statistics and Event Logging

Events and alerts are automatically logged and can be viewed from the browser user interface. This can be used for monitoring the performance of the wireless network and logging, for example, user connections and disconnections.

Specifications

INTERFACES:

- 10/100 Ethernet (2 off)
- Serial port (DB9)

CONSOLE REQUIREMENTS:

- Standard WEB Browser

POWER SUPPLY:

Input: 100 - 240V AC,
50-60Hz, 0.4A
Output: 12V DC,
1.3A, 15.6W

MOUNTING / DIMENSIONS:

Dimensions (W x H x D)
8.5 x 1.38 x 5.9 in
(216 x 35 x 150mm)
Weight Approximately 2.2lbs (1kg)

ENVIRONMENTAL:

Operating Range: 10 to 30°C
Non Operating Range: -25 to 60°C
Operating Humidity Range:
10 to 90% (non-condensing)

Safety:

EN60950-1:2001
ANSI/UL60950-1:2002
CAN/CSA-C22.2 No 60950-1-03
ETL Certified, CE Marked

EMC:

EN55022 1994 Class A + Amend.
1:1995 & 2:1997
EN55024 1998 + Amend. 1:2001
& 2:2003 including EN61000-3-2 &
EN61000-3-3
FCC CFR 47 Part 15-B, Class A

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Ordering Information

Part No	WLAN Enterprise Access Server 100
95-93*	WLAN Enterprise Access Server 100
70-50	Power Cable (UK)
70-51	Power Cable (USA)
70-52	Power Cable (Europe)
70-53	Power Cable (South Africa)
70-54	Power Cable (Australia)

* Order power cord separately

The WLAN Enterprise Access Server 100 is part of the Madge range of wireless management and security products. For further information on the full range of our products, including Enterprise Access Servers that are scalable to 1000's of users please visit www.madge.com/wireless.

Wireless and Token Ring Networking

Madge Limited is a global supplier of advanced networking product solutions to enterprises, and is the market leader in Token Ring networking. Madge is pioneering next generation networking solutions, which enable the painless and secure deployment of Wireless networks in enterprises while protecting customers' investments in existing LAN and Token Ring. Madge's principal business centres are located in Maidenhead, United Kingdom; Munich, Germany; and the USA. Information about Madge's complete range of products and services can be accessed at www.madge.com.

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