

MobileAccess 850 WLAN

Providing converged wireless coverage solutions

As 802.11 WLAN coverage becomes standard in both manufacturing- and service-oriented enterprises, businesses are continuously striving to provide ubiquitous voice and data wireless coverage that is secure, scalable and cost-effective. Some of the main challenges associated with WLAN 802.11 coverage are:

- Security unprotected AP's and high-cost antennas distributed throughout the designated coverage area;
- Interference low coverage per AP requiring more AP's, and a limited number of channels that can be allocated to adjacent APs;
- Complex installation and maintenance active elements mounted in ceilings and other hard to reach areas:
- Scalability and integration with voice services coverage;

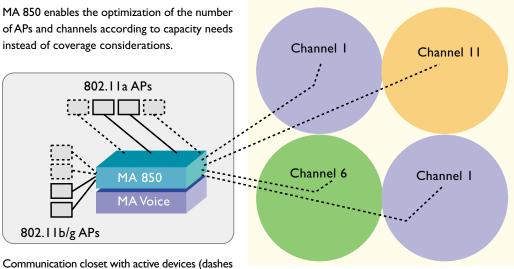
MA 850 provides an elegant, cost-effective 802. I la/b/g converged data and voice coverage solution that enables enterprises to provide high quality of service to clients, while maximizing and future-proofing their current investment.



MobileAccess 850

Features

- Simultaneously supports:
 - Up to 4 802.11b/g AP's
 - Up to 4 802.11a AP's
 - Voice services from MobileAccess 1000, ModuLite or Litenna RHUs
- Increases coverage less AP's and channels to achieve target coverage
- Site customizable 802.11b/g AP coverage user configurable through intuitive GUI
- Remote SNMP monitoring through direct LAN connection
- Secures equipment and simplifies installation, maintenance and upgrading:
 - All active elements (AP's, LAN and power cabling), are securely located in the telecom shaft or closet safe from theft or vandalism
 - All data and voice services distributed via a common coax cabling and broadband antennas.
- Scalable and future-safe more AP's can be connected as needed to the existing infrastructure to add coverage, capacity or support new radio transmission standards



indicate additional APs that are added as needed)

Coverage Area with Passive broadband antennas

mobileaccess Networks

MA 850 Technical Specifications

802.11b/g RF Parameters

Bandwidth 2400 - 2485 MHz

Maximum 20 dBm

output power (in every port)

Gain -10 to +5 dB Gain Flatness ± 1.5 dB

802. I la RF Parameters

Bandwidth 5125 - 5750 MHz

Insertion Loss 5 dB

(on every port)

Gain Flatness ±1 dB

Mobile Services Parameters

Bandwidth 806 - 960 MHz,

1710 - 1990 MHz

Insertion Loss 2.5 dB

(on every port)

Gain Flatness ±1.5 dB

Management

- Local configuration of switching matrix via Java based GUI
- Local AGC gain configuration
- Monitoring via MobileAccess 410/430 controller (using MA 1000 RHU)

Power

Power Supply 20 to 48 VDC; I to 0.42 A

Consumption 20W

Physical Specification

Dimensions 242 mm x 279 mm x 38 mm

 $(9.54 \text{ in} \times 10.98 \text{ in} \times 1.5 \text{ in})$

Weight 2.82 kg (6.2 lb)

Environmental Specifications

Operating Temperature 0°C to +50°C (32°F to 122°F) Storage Temprature -20°C to 85°C (-4°F to 185°F)

Mechanical Specifications

- · Modular design
- Metal body
- Designed for wall mounting or on top of a MobileAccess RHU case
- Optional metal mounting plate for installing on the side of a ModuLite Cabinet

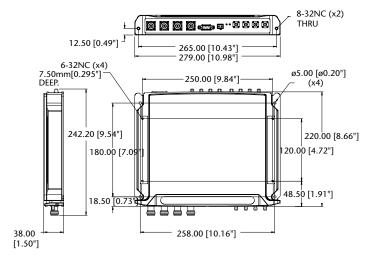
RF Connections

Four 802.11b/g APs SMA Female, 50 ohm
Four 802.11a APs SMA Female, 50 ohm
Voice Services SMA Female, 50 ohm
Four Antenna Ports N-type Female, 50 ohm

Standards and Approvals

USA FCC-47 CFR parts 2,15,22,24,90

Mechanical Measurements





Ordering Information

WLAN module supporting 802.11a/b/g

AK-850-1000 Accessory kit for 850 with 1000
AK-850-1200 Accessory kit for 850 with 1200
AK-850-MDLT Accessory kit for 850 with Modulite
AK-850-2000 Accessory kit for 850 with 2000
AK-850-SA Accessory kit for 850 stand alone

MobileAccess Networks

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