



Making Wireless an Indoor State of Mind



▶ MobileAccess MA-2000 Remote Hubs

The MA-2000 Series Remote Hubs are the service aggregation points within the MobileAccess Universal Wireless solution. These modular, scalable units combine multiple wireless service signals for distribution over the MobileAccess Wire-It-Once™ infrastructure, yielding a cost-effective and future-proof solution for enterprise organizations.

The MA-2000 receives optical signals from the MobileAccess Head-End, converts those signals to electrical RF, and then carefully grooms each signal before distributing them over broadband antennas located throughout the building. The MA-2000 series solutions are populated with adaptable service-specific modules that filter and amplify each wireless signal for optimal performance.



The MA-2000 is available in two variants, the MA-2000 Modular Remote Cabinet (MRC) and the MA-2000 Lite, providing customers “pay-as-you-grow” scalability that safeguards their in-building wireless solution investment.

Located in remote telecom closets, the MA-2000 enables new wireless services to be added easily and cost-effectively without disruption to work spaces or existing services.

MA-2000 Remote Hub ▶ ▶ ▶ ▶



Integrated Multi-Service Wireless Platform

- ▶ Single platform accommodates virtually any mix of wireless services and operators
- ▶ Eliminates the need for separate overlay networks

Readily Adapts to Change

- ▶ Add new wireless services without disrupting the active deployment
- ▶ Precise filtering mitigates interference as new services are added

Cost Effective Modular Expansion

- ▶ Simply add modules in the telecom closet to enable new wireless services
- ▶ Scale from MA-2000 Lite to the MA-2000 MRC while re-purposing all components

Carrier Class Operation

- ▶ Advanced signal handling ensures optimal performance for all services in a multi-operator deployment

Proactive System Management

- ▶ Robust remote SNMP monitoring and management via the MobileAccess Network Controller

MA-2000 Modular Remote Cabinet (MRC)

The MA-2000 MRC scales to support up to 20 wireless services, including cellular, PCS, paging, 2-way radio, and building automation services. The MA-2000 MRC can house up to five multi-band service modules which simplifies system expansion and creates a neatly consolidated deployment, easily accessible in building telecom closets.



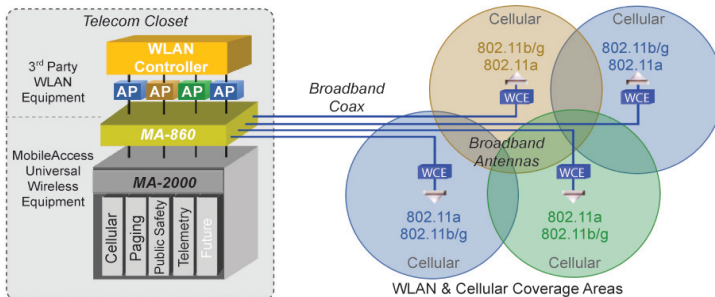
MA-2000 Lite

Typically used in smaller deployments, the MA-2000 Lite offers a streamlined package that is capable of supporting up to 8 wireless services. When a customer's wireless requirements grow beyond the capacity of the MA-2000 Lite, they can migrate all of their MA-2000 Lite components into the MA-2000 MRC, repurposing their original investment.



WLAN Integration

Support for 802.11a/b/g WLAN coverage can be added to an MA-2000 deployment by using the MA-860 WLAN Module. By combining WLAN coverage with other wireless services, enterprises can deliver a complete wireless solution cost-effectively with a single infrastructure investment.



Features & Specifications ▶ ▶ ▶

MA-2000 Remote Modular Cabinet (MRC)

- ▶ Supports up to 5 multi-band modules
- ▶ Accommodates up to 20 wireless services sourced from multiple operators
- ▶ Cabinet can be rack or wall mounted

MA-2000 Lite

- ▶ Supports up to 2 multi-band service modules
- ▶ Accommodates up to 8 wireless services sourced from multiple operators
- ▶ All MA-2000 Lite elements can be migrated into the MA-2000 MRC

Supported Wireless Technologies

- ▶ GSM, CDMA, TDMA, iDEN, LMR, SMR, Paging, UMTS, DCS, EDGE, EV-DO, Mobile WiMAX, and more
- ▶ Mitigates interference in multi-service deployments via precise band filtering

Scalable, Modular Design

- ▶ Add/remove services without impacting operators or end users

WLAN Support

- ▶ Integrated support for 802.11 a/b/g through connection to the MA-860 WLAN Module

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