

# MS240 RFID Enabled Media Storage Module

## UHF RFID solution delivers maximum visibility for media storage

Whether maintaining mission critical data storage or a library collection of entertainment media, the MS240 offers a unique and effective method of managing media and data assets.

The MS240 is the world's first integrated and easily scalable media storage system utilizing UHF GEN 2 technology to manage inventory. It provides remarkable visibility into managing your media assets including the ability to collect data about their usage.

Using a single RFID reader to access many shelves, the MS240 contains many read zones using antennas uniquely integrated within each shelf module. The MS240 is an effective and low cost solution to automating your media inventory control.

## High Performance and Visibility

The MS240 provides reliable identification and location information allowing you to easily find the item you are looking for. The system provides constant monitoring of item location, movement from the shelf and time/date stamping of each movement event. An "Out of Place" report can be generated to notify you of an item placed in the wrong location.

## Easy Expansion and Integration

The MS240 is economically expandable to 64 shelf racks per RFID reader. It is also designed to operate using its standalone media inventory application or is easily integrated into enterprise level IT infrastructures.

The system can be expanded to include security portals, tagging stations and check in/check out stations.



### FEATURES

#### Robust platform for business class installations

#### Enterprise Connectivity

#### Open Architecture

#### Expandable

#### Easy Integration

### BENEFITS

Provides reliable inventory control and security for mission critical media control.

Build scalable solutions that provide remote monitoring, control, and administration.

Leverage existing IT assets while utilizing your best practices.

Expand up to 64 shelf racks per RFID reader. Unlimited expansion of readers/shelves using Arphidium RFID controller.

Easily integrated with ILS and other existing data systems.



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## System Specifications

### Physical Characteristics

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**Dimensions:**

5.25 in. D x 19.5 in W x 25 in H

### Connectivity

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10/100 Base T Ethernet – RJ45

### Environmental

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IEC 600-2-1/2/14

**Operational:**

32 deg to +141 deg F (0 deg to +55 deg C)

**Storage:**

-4 deg to +158 deg F (-20 deg to +70 deg C)

### System

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**Memory:**

64MB Flash (DRAM)

**OS:**

Windows XP Professional

**Management:**

SNMP

**Frequency:**

UHF (902-928 mHz [US]), HF (13.56)

**Method:**

Frequency Hopping Spread Spectrum

**Power Output:**

> 30 dBm

**Air Link Protocols:**

EPC Class 1 Gen2

**Synchronization:**

NTP

**IP Addressing:**

DHCP/Static IP

**Host Interface Protocols:**

XML/HTTP/Byte Stream/Arphidium intelligent Reading

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## About BA Systems

BA has assembled a world-class team of software and hardware professionals with diverse backgrounds spanning defense, space, business and the communications sectors. By utilizing our extensive background in computer technologies, we are able to provide your organization with solutions that will allow you to quickly realize a return on your IT investment. Using the best in techniques and technology, BA has demonstrated industry excellence by bringing many firsts to the RFID industry.

**Maximize your resources. Increase productivity. Beat the competition.**