

# AC2000 Virtualisation

## Virtual Environment Support

### Features that make a difference:

- Enables AC2000 to operate within a VMware virtual environment
- Cost Reduction through hardware consolidation
- Virtualise both AC2000 Servers (CDC's) and RTC's (Ethernet Controllers)
- Savings in power, space and cooling
- Tailor provisioning of processing power to the applications that need it, when they need it
- Optimize storage resources for data retention and archiving
- Improve availability and business continuity

AC2000 can be supported within a managed VMware virtual machine environment. The AC2000 Server and RTC's (Ethernet Controllers) can be virtualised providing cost reductions through hardware consolidation and savings in power, space, and cooling.

Server virtualization is a technology for partitioning one physical server into multiple virtual servers. Each of these virtual servers can run its own operating system and applications, and perform as if it is an individual server.

The main benefits of server virtualization are cost reductions by decreasing pc/server hardware, provision for disaster recovery, and the ability to allocate system resources purely through configuration rather than physical upgrades.

As it is easier to create a virtual machine than to set up a physical machine in the enterprise, AC2000 Servers and RTC's can be set up very quickly, and brought online and offline as required.

### Installation Prerequisites for installing AC2000 on a Virtual Machine VM

Architecture – X86 (i.e. 32 bit)

Guest OS – Other 2.6.x Linux (32-bit or 64-bit\*)

Minimum memory –  
Small systems < 256 doors 1 – 2GB  
Large systems > 256 doors 4 – 8GB\*

CPU cores required – One  
(Maximum number of cores supported by AC2000 is four)

OS Disk type – Any

Disk Size –  
Small systems < 256 doors 20 – 50GB  
Large systems > 256 doors 100 – 200GB\*

Number of NICs – One

### Requirements

- AC2000 SE v6.6 software & upwards
- AC2000 AE v6.6 software & upwards
- Managed VMware Virtual Environment  
Tested with VMware ESX 3i Server

\* 64-bit only for AC2000 v8.0 and onwards

Note: CEM AC2000 Failover is not supported when a VM server is used. Redundancy should be provided by the VMware infrastructure.

\*These values depend on the volume of card swipes, alarms, number of devices and number of cardholders on the system.

### Related Products



AC2000  
AC2000 Airport