CRIBMASTER ENVIRONMENT
REQUIREMENTS

This CribSheet outlines the equipment, software and network requirements for an ideal CribMaster environment.

NOTE: This document applies to Advantage and Non-advantage environments.

Server Requirements

These requirements apply to the machine that serves as the CribMaster database and/or application server.

COMPONENT	REQUIREMENT
CPU	1.5 GHZ or better recommended (Dual core or better recommended for Windows Vista or Higher)
MEMORY	1GB (2GB or greater recommended for Windows Vista or Higher)
OPERATING SYSTEM	• Windows XP Professional: SP3 • Windows Vista (Ultimate, Enterprise or Business) • Windows 7 (Ultimate, Enterprise or Professional) • Windows 8 (Basic, Pro, Enterprise) • Windows Server 2003, 2008, 2012 **NOTE:** The CribMaster executables are 32 bit but will also run on 64 bit systems. **IMPORTANT:** CribMaster requires the .net framework. As of CribMaster version 9.6, the minimum .net version required is 3.5 SP1. Although the CribMaster install package includes .net, it is highly recommended that all windows updates, including .net are applied before installing CribMaster. This will make the installation process much faster.
DATABASE	• Oracle 9, 10, 11 • SQL Server 2000, 2005, 2008, 2012 (including MSDE and Express editions)
DRIVE SPACE	32 GB or greater
SCREEN RESOLUTION	1024 x 768 (1280 x 1024 or greater recommended)
ADDITIONAL SOFTWARE	• **Cm Agent** - This is typically run on the server, though it can be run on any computer in the environment provided that rest of the computers in the environment can access it. Only one instance of CribMaster Agent can run per database. • **CribMaster Client** • **Crystal Reports Runtime** - This will be installed with the CribMaster Client installation if it is not already on the machine. This is required to render CribMaster Reports. • **Internet Information Services (IIS)** - This is only required if the other computers within the environment are connecting to the database through a web service. • **Cm Mobile** - If you are using scanners, this service will need to be installed on the local network. • **LPR** - If you are using Last Point Read, the Last Point Read service needs to be installed on the local network.

NOTE: CribMaster is able to run inside of a virtual machine.

Workstation Requirements

These requirements apply to machines that access the CribMaster database through the CribMaster client. This includes manned cribs.

COMPONENT	REQUIREMENT
CPU	1.5 GHZ or better recommended (Dual core or better recommended for Windows Vista or Higher)
MEMORY	1GB (2GB or greater recommended for Windows Vista or Higher)
OPERATING SYSTEM	• Windows XP Professional: SP3 • Windows Vista (Ultimate, Enterprise or Business) • Windows 7 (Ultimate, Enterprise or Professional) • Windows 8 (Basic, Pro, Enterprise) • Windows Server 2003, 2008, 2012 (This is not typical for workstations) **NOTE:** The CribMaster executables are 32 bit but will also run on 64 bit systems. **IMPORTANT:** CribMaster requires the .net framework. As of CribMaster version 9.6, the minimum .net version required is 3.5 SP1. Although the CribMaster install package includes .net, it is highly recommended that all windows updates, including .net are applied before installing CribMaster. This will make the installation process much faster.
DATABASE	• Oracle 9, 10, 11 • SQL Server 2000, 2005, 2008 (including MSDE and Express editions)
DRIVE SPACE	1 GB or greater (More space may need to be required if the database is also on the machine.
SCREEN RESOLUTION	1024 x 768 (1280 x 1024 or greater recommended)
ADDITIONAL SOFTWARE	• **CribMaster Client** • **Crystal Reports Runtime** - This will be installed with the CribMaster Client installation if it is not already on the machine. This is required to render CribMaster Reports.

Vending Requirements

These requirements apply to the computers that run ATR (Automated Tool Room) on vending devices. ATR usually comes on a TekVision 786 device which features the following specifications:

COMPONENT	REQUIREMENT
CPU	Intel® AtomTM D525 dual core 1.8G, L2 1M, FSB 667MHz
MEMORY	1GB
OPERATING SYSTEM	POS Ready 2009
DRIVE SPACE	32 GB or greater
ADDITIONAL SOFTWARE	CribMaster Client (Optional)

If you are supplying the computer that will run ATR, it should have the following specifications:

COMPONENT	REQUIREMENT
CPU	1.5 GHZ or better recommended (Dual core or better recommended for Windows Vista or Higher)
MEMORY	1GB (2GB or greater recommended for Windows Vista or Higher)
OPERATING SYSTEM	• POS Ready 2009 • Windows XP Professional: SP3 • Windows Vista (Ultimate, Enterprise or Business) • Windows 7 (Ultimate, Enterprise or Professional) • Windows 8 (Basic, Pro, Enterprise) • Windows Server 2003, 2008, 2012 (This is not typical for workstations) **NOTE:** The CribMaster executables are 32 bit but will also run on 64 bit systems. **IMPORTANT:** CribMaster requires the .net framework. As of CribMaster version 9.6, the minimum .net version required is 3.5 SP1. Although the CribMaster install package includes .net, it is highly recommended that all windows updates, including .net are applied before installing CribMaster. This will make the installation process much faster.
DRIVE SPACE	32 GB or greater
ADDITIONAL SOFTWARE	CribMaster Client (Optional)

Network Requirements

No major modifications need to be made to a network when installing CribMaster. ATR must be able to connect to the database to upload transactions and download updates. This connection is made over the internet using http or https or directly through an ADO connection. The Network Appliance, the PC that runs ATR, connects using a standard Cat5 network cable. A connection to the customer's domain is not required. A broadband connection is recommended.

Bandwidth

For CribMaster applications that use a webservice connection, such as ATR (versions 9 and later), the suggested bandwidth should be T1 or greater for a shared network, 256 kbps (1/6 of a T1) for a dedicated link used by a single machine.

To test the bandwidth of your machine, you can use the CribMaster Portal Tester (ftp://ecribmaster.com/Pub/Software/Utilities/Cribmaster Utilities/Cribmaster Web Service Utility/). If that is not available, go to www.speedtest.net to run a test over the web.

Ideal speeds would be:

Download: > 1.5Mb/s Upload: > 1.0MB/s Ping < 75 ms

Latency

Longer latencies can cause a drag on system performance. For CribMaster applications that use a webservice connection, such as ATR (versions 9 and later), the suggested latency should be no longer than 250 ms, although acceptable performance requires 150 ms or less.

CribMaster
Inventory Management System

ATR Connections

ATR connects to the main database at a customizable interval. If the network is down, ATR will still be able to drive the machine. If it cannot upload transactions it will store them locally until network connectivity is restored.

Firewall Considerations

For networks that are behind a firewall, the IT Administrator at the facility will have to open port 80 to allow outbound traffic.

NOTE: Port 443 can be used for secure URLs.

Machine Power Requirements

All CribMaster machines have the same power requirements:

- U.S. - 120VAC, 60Hz, 3 Amp

- Europe - 220-240VAC, 3 Amp