

XGate Server Specifications

The current specifications for the Server running XGate 4 in a Mentor Mobile Data System are listed below. These specifications may change from time to time to reflect new innovations in the XGate software and the constant evolution of computer hardware.

Basic Requirements

- Pentium IV – 3.0GHz (A true server is strongly recommended over a desktop)
- 1 GB RAM
- Two Identical Hard Disks, each at least 80GB in size (for mirroring) or RAID.
- Mouse (preferably PS/2)
- Monitor and video card capable of displaying 1024*768 resolution
- CD ROM Drive
- One 10/100 Mbps Network cards
- High Speed Internet Connection *
- Operating System - Windows 2000/2003 Server (5 client license)
- SQL Server 2000/2005/2008 (SQL Server 2005 Express is provided at no charge with XGate)
- Internet Explorer 6
- Remote Access software such as: Terminal Services or PCAnywhere.
- ALL sleep, power-save modes and automatic Windows updates must be DISABLED.

* The Internet connection is required for Mentor to perform system diagnostics and upgrades via PC Anywhere / Remote Desktop and the XGate website. The customer is responsible for providing secure access to the XGate website via the Internet.

If the system will make use of multiple RS232-based communications channels, it may also require a multi-port serial card. The number of ports required will vary depending on system configuration. The recommended multi-port card is:

MANUFACTURER	MODEL	PART NUMBER	NOTES
Digiboard	Acceleport Xp 8-port (DB25 kit)	70001548	Equipped with 'octopus' cable drivers

For Mobitex systems using an X.25 host connection, the following peripheral card and cable is required:

MANUFACTURER	MODEL	PART NUMBER	NOTES
Eicon	Eiconcard C91V2	306-221	Drivers included with Windows.
Eicon	V.24 DCE cable	306-007	

Optional Components (recommended for fleets with more than 2 hosts and 200 mobiles)*

- Faster Processor / Additional Memory
 - Microsoft SQL Server 2000/2005/2008 Standard Edition (5 client license)
 - Separate PC for SQL Server
- Your Mentor Engineering representative can help determine if you require any of the optional components



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Server Preparation Guidelines

Before shipping your server to Mentor for installation and configuration of XGate, please ensure that the following preparation steps are taken:

- The operating system must be a clean install (i.e. if the computer has been previously used you should format the drive(s) and reinstall a fresh copy of Windows).
- All hardware components such as memory, RAID cards, hard drives, processors, etc. must be installed and configured prior to shipping.
- If a mirrored drive or a RAID system is to be used, it must be configured within the operating system prior to shipping. This often means reinstalling the operating system since certain RAID configurations cannot be implemented post install.
- There should not be any applications installed on the computer, other than those that come with the operating system or those required by the PC or hardware manufacturer for normal operation.

If a server is received by Mentor that is not properly prepared, additional setup charges may apply.
