



ProtoBase Server Specifications

ProtoBase Suite Minimum Requirements

- A supported operating system and version
- Java JRE or JDK
 - **Minimum:** version 5 update 14 (a.k.a. Java 1.5)
 - **Recommended:** version 6 Update 16 (a.k.a. Java 1.6)
- Windows .NET Framework version 3.5 or higher
- 500MHz or higher Intel Pentium/Celeron family, AMD K6/Athlon/Duron family, or compatible processor recommended.
- 256 megabytes (MB) of available RAM; 1 GB or higher recommended
- 1 GB of free hard disk space plus disk space calculation for transaction data
- Super VGA (1024 x 768) or higher-resolution video adapter and monitor
- Keyboard and mouse or compatible pointing device
- CD-ROM drive

100 Base-T or faster network with interconnection via switches vs. hubs. Switches eliminate the packet collision and latencies inherent with hub products.

ProtoBase UI Minimum Requirements

In addition to the above requirements, the following are the specific requirements when using the ProtoBase UI as a web application. For PCI DSS compliance, a web application needs to be a separate server, isolated on the network from the ProtoBase Suite.

- Java JRE or JDK
 - **Minimum:** version 5 update 14 (a.k.a. Java 1.5),
 - **Recommended:** version 6 Update 16 (a.k.a. Java 1.6),

Apache Tomcat version 5.5.26 (if the ProtoBase UI is used for external web clients)

- 128 MB RAM (minimum)
- Microsoft Internet Explorer 6.0 or greater and Firefox 1.5 or greater
- 128-bit encryption to login and access secure areas of the site ProtoBase® User Manual: Installation and Upgrade Chapter 1 Document # UM-066-10-DO-A Installation System Requirements 6

Minimum processor speed is roughly dependent on the number of transactions you process per day. Be sure to consider whether your application will be running two-part transactions: Authorization (01) followed by a Prior Auth (07). The effective transaction flow to the ProtoBase Suite will be doubled in that case. The following chart provides a recommendation of the CPU requirements for a standalone system, but may not be sufficient if the POS or additional applications are running on the same computer as the ProtoBase Suite. Dual processor systems are supported.

Processor (PIII or AMD) Speed	Average # of Transactions/Day
600 MHz	500
700 MHz	1000
1Ghz (single or dual)	1000+