

Datasheet

DataMatch Enterprise™ System Requirements



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PC Specifications

DataMatch Enterprise™ has been designed for use on Windows based PC systems. To get the best results, you need to match the hardware to the job in hand. For smaller jobs where performance is not an issue, we would normally recommend a standard desktop machine that will no doubt be well above the minimum requirements (stated below). For larger data sets, you should consider upgrading the hardware according to the recommendations below. We have identified the main areas which affect the software's performance below.

Processor Speed: Processor speed or CPU speed (measured in GHz) controls the rate at which information can be processed. The higher the CPU speed, the faster the processing.

Number of Cores: The most critical parts of the matching process in DataMatch Enterprise™ are working in parallel; having more cores means better performances.

Hard Disk Speed: The faster the hard disk the better; DataMatch Enterprise™ is disk intensive which means the rate with which the data can be read and stored from and to the disk is an important factor. The higher the RPM the greater the data transfer rate is. Deployment of data and temporary files are covered by a separate document to optimize DataMatch Enterprise™ performance.

A SCSI interface will further increase the transfer rate from the disk thus being beneficial, especially, when processing large volumes of information (although SATA is sufficient for the great majority of organizations). Using a RAID optimized for performance can also be useful.

Our general recommendation is to use Solid State Drives (SSD). They have a proven speed superiority over traditional hard drives plus they do not suffer from regular disk fragmentation.

Memory: RAM is a key factor when processing large sets of data. Since DataMatch Enterprise™ is NoSQL software, a sufficient amount of RAM is critical.

Operating System: DataMatch Enterprise™ is compatible with Windows operating systems from 7 onward (including server versions). We usually recommend using the most up-to-date version of a 64 bit operating system since this will benefit DataMatch Enterprise™ in terms of memory usage and robustness.



Operating System

Optimum

4 or more cores

Intel Core i7

16 or more GB of RAM

SSD, or SCSI HDDs

SSD (Free space requirements depends on the size of input data)

1 TB Disk Space

Microsoft Windows 7 SP1 and above, 64 bit (Current Generation)

Minimum

Dual Core

X

4 GB of RAM

X

Hard Drive (free space requirements depends on the size of input data)

500 MB Disk Space

Microsoft Windows Sever 2003, Windows 7, 32 bit versions



ABOUT US

Data Ladder is a data quality software company dedicated to helping business users get the most out of their data through data matching, profiling, deduplication, and enrichment tools. Whether it's matching millions of records through our fuzzy matching algorithms, or transforming complex product data through semantic technology, Data Ladder's data quality tools provide a superior level of service unmatched in the industry.

Why Data Ladder

It's simple: our user-friendly and powerful software helps business users across many industries manage their data more effectively and drive their bottom line. Our powerful software suite, DataMatch Enterprise, was proven to find approximately 5-12% more matches than leading software companies IBM and SAS in 15 different studies.

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