

**Q-Pulse: Global QMS Desktop Solutions**

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**Hardware and Software Guidelines for  
Q-Pulse NG**

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## 2. Introduction

The following Q-Pulse NG hardware requirements are to be used as a guideline only. Hardware requirements depend on the number of users, activity, size of database, number of records and Operating System.

Q-Pulse is an N-Tier application and has a number of deployment options (see Page 4). The following assumes Option 2, where both Business Logic and Database will be hosted on the same server.

All information detailed in this document is provisional and may be subject to change.

## 3. Minimum Requirements

### 3.1 Client

Processor	<ul style="list-style-type: none"><li>• Intel Pentium or compatible 500Mhz or higher Processor</li></ul>
Operating System	<ul style="list-style-type: none"><li>• Windows 2000</li></ul>
Memory	<ul style="list-style-type: none"><li>• 256MB of RAM</li></ul>
Hard Disk	<ul style="list-style-type: none"><li>• 150Mb</li></ul>

### 3.2 Server

Processor	<ul style="list-style-type: none"><li>• Intel Pentium III or compatible, 500Mhz or higher Processor</li></ul>
Operating System	<ul style="list-style-type: none"><li>• Windows 2000 Professional with SP4 or later</li><li>• Windows 2000 Server with SP4 or later</li><li>• Windows Server 2003, Standard or Enterprise</li></ul>
Database	<ul style="list-style-type: none"><li>• MS SQL Server 2000 Desktop edition (MSDE 2000)</li><li>• MS SQL Server 2000 with SP 3 or later</li></ul>
Additional Server Software	<ul style="list-style-type: none"><li>• Microsoft Internet Information Server 5.0 (Windows 2000)* or 6.0 (Windows Server 2003)*</li><li>• Microsoft.NET framework [Installed by Q-Pulse]</li></ul> <p>* Must be installed with latest security updates <u>prior</u> to .Net install</p>
Memory	<ul style="list-style-type: none"><li>• 512MB of RAM</li></ul>
Hard Disk	<ul style="list-style-type: none"><li>• 150 MB for Microsoft.NET framework</li><li>• 500 MB for Q-Pulse installation</li></ul>
E-mail Integration (Optional)	<ul style="list-style-type: none"><li>• SMTP server required</li></ul>

## 4. Preferred Q-Pulse NG Deployment Options

1. Single Machine	UI, Business Logic and Database all exist on same machine.
2. "Lightweight" Client(s) + Server	UI exists on Client Machine(s) with both the Business Logic and Database existing on one server.
3. 3 Tier	The 3 tiers of the application are distributed between 3 physical tiers, Client Machine(s), a Business Logic Server and a Database Server.
4. N-Tier (Multiple Database Servers)	The 3 tiers of the application are distributed between more than 3 physical tiers, Client Machine(s), a Business Logic Server and multiple Database Servers.

## 5. Physical Machine Deployment Options

