

### Recommended and Required PC Configurations for GEMS™ Installations

The following information lists the minimum PC hardware and software environment requirements for each PC upon which GEMS™ WIN software, or its associated database files, will be installed.

The PC hardware requirements are listed by operating system. The requirements differ depending on the type of operating system installed on a specific PC. The software requirements identify the minimum software, including version number and service pack, which must be installed on each PC as determined by the operating system of choice for each PC.

**IMPORTANT:** CardioComm Solutions, Inc. requires our customers to complete the setup of each PC according to the minimum installation requirements set out in this document. This will help ensure proper installation and function of our products.

\*\*GEMS™ WIN Requires English Version of Microsoft Windows.

### Additional Database Dependent Required Software

For GEMS™ WIN installations using MS Access Database Engine (these items are required for support and any addition of custom GEMS™ WIN reports).

- MS Access 2000 or above installed on minimum 1 PC, preferably where the GEMS™ WIN Database (.mdb file) is located or accessible.

For GEMS™ WIN installations using MS SQL Server 2000/2005/2008/ 2008 - R2 Express, Standard, Enterprise Database Engine (These items are required for support and any addition of custom GEMS™ WIN reports).

- MS SQL Server 2000/2005/2008/ 2008 R2 Express, Standard, Enterprise

### Minimum Local Area Network (LAN) Requirements

- Minimum Network Speed: 10mbps
- Required Network Protocol: TCP/IP



### Printer Requirements

- Minimum: 600 X 600 dpi
- Recommended: 1200 x 1200 dpi 32 MB laser

### Installation Specifications for Required Software

Operating systems must be directly\* installed.

\* We recommend not using hard drive imaging or "ghosting" techniques for installing a PC's operating system or

### Anti-Virus Software

The use of anti-virus software, regardless of brand, may result in corruption of certain open files when in real-time scanning mode. CardioComm Solutions, Inc. recommends excluding the GEMS™ application directory and ECG Warehouse directory from real-time scanning mode and scanning on a scheduled, routine basis instead.



**CardioComm  
Solutions, Inc.**