



SQL Kudos System Requirements

1. Operating Systems

- Kudos is compatible with Windows 2000 SP4, Windows XP Pro, Windows 7 Pro and current MS Server 32 or 64 bit platforms
- We cannot install on PC's with Windows ME or Windows 98 or 95
- We do not recommend using Microsoft Vista
- Kudos will not work on Apple OS, Linux or any other Operating Systems

2. Networking

- **Kudos is compatible with Microsoft networks - Workgroup for small network or Windows 2000/2003/2008 Server domains.**

3. SQL Server

The database used by Kudos is Microsoft SQL Server. This can be either be hosted on a good specification PC or on a dedicated Windows Server.

3.1 SQL Express - For up to 5 to 8 Users

For smaller sites, Microsoft SQL 2005 or 2008 Express will be installed. This is a cut down version of Microsoft SQL that we can distribute free of charge. SQL Express can be used for systems running on a single processor with database size of less than 4 GB.

3.2 SQL Workgroup Edition

For companies with more than 5 users, the full version of Microsoft SQL may be required

This is normally installed on Windows Server and comes as part of some editions of Microsoft Small Business Server 2003/2008. If SQL is already installed on your systems (by someone other than Kudos) please call the support line to ensure that the configuration can support the Kudos database.

3.3 For Customers Using Microsoft Small Business Server

Please be advised that there are some known problems running MS SQL on Microsoft Small Business Server when it is already running MS Exchange Server. We recommend that customers running Exchange Server should be using the Windows Server 2000/2003 and not Small Business Server. For server 2008 there is an extra server license to allow SQL Server to be hosted on a separate machine from Exchange server.

Please call Kudos before you purchase any server software or to discuss any software / hardware issue. We will be happy to help and advise you.

Minimum System Hardware Requirements

Please note that these are the minimum hardware requirements. We always recommend that when purchasing a PC you invest in a high specification machine that will provide the performance necessary as technology develops.

New PC's

If you are going to invest in a new PC, Kudos recommends the Dell Optiplex range of PCs for performance and networking ability. If you choose a PC from another company, it should be a high quality badged PC (from a known, trusted and quality company). Please call us if you need any help, or if you would like Kudos to recommend a system. The minimum specification is detailed below.

Please be aware that if you are buying a new PC to be used with existing point of sale hardware, you must check the ports used on the old PC to ensure that your new PC can support all the existing POS hardware.

a) Kudos Host (Server)

Component	Minimum For Single user	Recommended Minimum for Multi user
Processor	Pentium 4 2.6GHz	2GHz Dual Core Processor
Memory	1GB	2GB
Hard Drive	40GB	80GB
Operating System	Windows 7 Pro	Windows 7 Pro
Network Card	100 mbps	1000mbps

Point of Sale or System Terminal

Component	Minimum	Recommended
Processor	Pentium 4 / AMD 32 Bit Single core clock speed of 1.8 GHz	Dual Core Processor
Memory	1GB	1GB
Hard Drive	40GB	80GB
Operating System	Windows XP Pro	Windows XP or 7 Pro
Network Card	100 mbps	1000mbps

Ports Requirements on New PCs

Point of Sale hardware requires systems to have serial ports. The number of serial ports varies from manufacturer to manufacturer and should be checked by the customer. In addition, some PC's come without a standard PS2 port. Customers should check with their IT supplier and Kudos that the system they are purchasing can run the full point of sale kit. Please take a few moments to review the hardware port table at the end of this document. **If you are in any doubt, or need help, please call Kudos on 01548 843586.**

Existing PCs

For existing PC's used within your company, Kudos recommends the following minimum specification.

Point of Sale or System Terminal

Component	Minimum	Recommended
Processor	Pentium 4 1.5Ghz or Celeron 1.5GHz	Pentium 4 .2.5GHz
Memory	1GB	1GB
Hard Drive	20GB	40+
Graphics	16Mb	32Mb
Operating System	Windows 2000 with SP4	Windows XP Pro
Optical		DVD RW
Network Card	100 mbps	1000mbps
Ports	2 Serial,	2 Serial,

Please note that we do not recommend using Microsoft Vista. Please see note on page 1, under Operating systems.

General Information

Networking

- Kudos recommends 100Mbps or Gigabit networks. Use a switching hub for better network performance.
- TCP/IP and File & print sharing need to be enabled.
- Any Firewall needs to allow LAN traffic for the local IP range and should allow SQL Server and Kudos to run across the local network
- Cabling should be Cat5 to recognised standards.
- **We will not support Kudos running across a wireless network.** Experience has shown that wireless networks are fine for internet access and file sharing but can cause problems for running a database application such as Kudos. There is no substitute for a properly cabled network.

Antivirus

We recommend that you protect your PCs with malware protection that is updated regularly. Any 'security suite' type products will need to be configured to allow Kudos to work properly across the network. Any time taken by our staff configuring your protection system will be at your expense.

The current range of antivirus protection products are all using large amounts of RAM. Be aware that you may need to upgrade the RAM when upgrading antivirus products.

Backing Up Your Data

- On smaller sites a CD or DVD-rewriter can be used for back up or a USB memory stick or portable hard drive.
- Larger companies may want to consider tape back up or backing up online to a secure server.

Printing

Point of sale receipt printing

Kudos sell and support a range of point of sale (PoS) receipt printers. Please call to discuss options for your business.

Invoice and Report printing

Kudos is compatible with Windows Network printing and will print to most common laser and inkjet printers.

Customer Support

For general technical support and maintenance, Kudos use the web based applications “Go To Meeting” and ‘NTR Support. Other customer specific remote access solutions can be used, but customers should note that if Kudos is required to configure specific solutions, then an additional cost will be incurred. Please call us if you would like to discuss remote access to your PC. We will be happy to work with your IT support team or hardware supplier.

Point of Sale Hardware Port Requirements

Hardware	Port Requirements
Touch Screen Monitor	USB or serial options * old models will be serial only
Till drawer	Connects to receipt printer. No port necessary
CCD Wedge Scanner Metrologic Voyager Scanner MS9540 Metrologic Orbit MS7100 Scanner Aures PS50	All new scanners are supplied as USB Older scanners will be PS2 keyboard wedge This scanner will require a PS2 keyboard to work as it fits between the keyboard and the computer.
Standard Customer Display Unit Epson DMD 110BA Customer display unit for U210D & TM-T88iii Aures OCD100	Serial Please note that the receipt printer plugs into the CDU so only one serial port is required for both pieces of hardware. However, in rare circumstances such as using the printer sharing module, these would require a separate serial port.
Zebra TLP2844 Ink ribbon barcode printer Zebra LP2844 Thermal barcode printer	USB / Parallel / Serial (comes with all 3 options)
Epson U220D - Dot matrix receipt printer Epson TM-T88iii - Thermal receipt printer Epson TM-H5000ii - Thermal wide carriage receipt printer Aures ODP200	Serial only Note that this plugs into the CDU (if being used)
Epson DMD 110BB Customer display unit for TM-H5000ii	Does not require a port as it plus into the TM-H5000ii printer.
Unitech handheld data capture unit	Serial
Veriphone Pin Pad	Serial
Tipro Keyboard	PS2
Avery Scales	Stand alone

Important – Please Read

Please note that we expect that all machines will be “up and running”, connected to a printer and to your network and all Windows updates have been installed BEFORE the arrival of our personnel to install Kudos and its associated devices (POS kit, Barcode Label Printers, PIN Pads etc). Please call us if you have any questions or need any help prior to installation.