

# EZNews Hardware

## Technical Summary

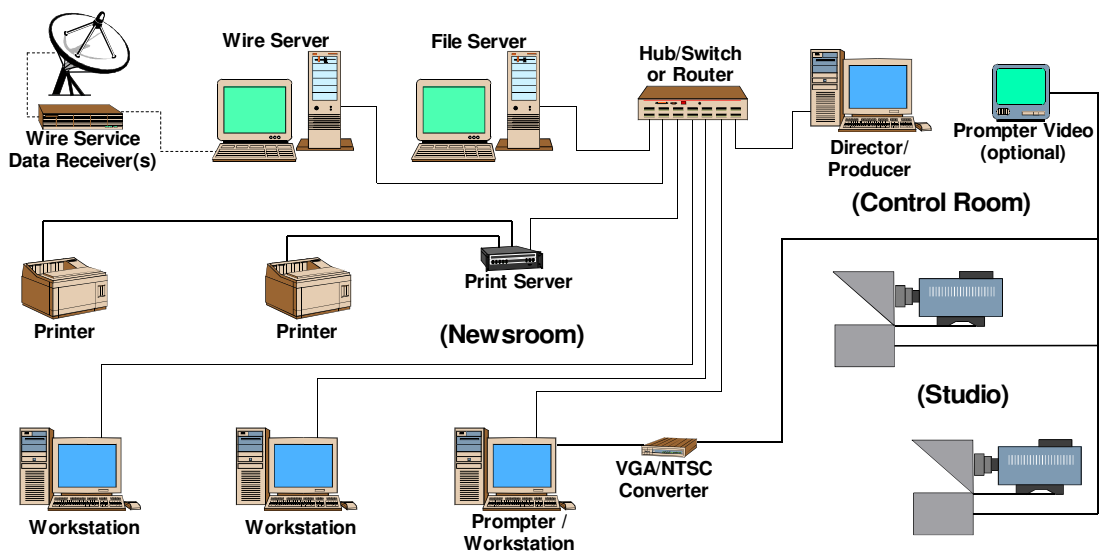
EZNews is a client-server application that uses Microsoft Windows® clients and servers running the Windows 2008 Server® Operating System. Windows 2003 Server® may be used, however Microsoft will be discontinuing support for this Operating System, and there is no guarantee future software releases will remain compatible for the obsolete O/S.

The system is designed to operate over any standard TCP/IP network (10-base-T minimum ... we recommend 1000BASE-T, also known as IEEE 802.3ab or gigabit Ethernet). EZNews can easily coexist with existing applications in a standard office networking environment.

The system may be configured with a single File Server or – for redundancy and assured application availability – dual File Servers. Wire service inputs are processed by a dedicated computer which may be either a server or NT-class (Windows 2000, XP, Vista) machine. EZNews Servers utilize an SQL Relational Database (included with the software license).

Client workstations are “thin” client configurations, and can operate under recent versions of the Microsoft Windows® operating system (Windows XP® and later, including Windows 7®). Windows 95®, Windows 98/98SE®, Windows ME® and Windows 2000® are no longer supported.

A typical system architecture is shown below:



## File Server Requirements

- ☑ **Operating System:** Windows 2008 Server®. Note that Microsoft will be discontinuing support of Windows 2003 Server®, and future software releases may not be compatible with the obsolete Operating System. If server will be used to support Apple MAC® OSX clients, then Windows Terminal Services®, Citrix® Presentation Server or similar products, etc. are also required.
- ☑ **Database:** SQL (included, configured and fully supported with EZNews software license) ... No Third Party Licenses Required.
- ☑ **CPU:** Intel Pentium III, Pentium IV, Xeon, or AMD equivalents (Opteron™, Athlon™, etc.) x86, 32-bit or 64-bit Processors running at 1.0 Ghz or faster. Dual CPU's are recommended for faster performance or for Enterprise-level systems
- ☑ **RAM:** 1GB or more. Additional RAM typically improves performance.
- ☑ **Storage:** 20gb or more (SATA, SCSI or IDE). Multiple drive arrays with RAID controllers for redundancy are recommended
- ☑ **Networking:** Standard TCP/IP 10/100/1000 network interface card
- ☑ **Hard Drive Defragmenter:** DisKeeper® File System utility (recommended). Though it is not required, in our experience DisKeeper file system performance products greatly improve file system performance, resulting in improved system performance, productivity, and reliability.
- ☑ **Other:** Server-class chassis with extra cooling and redundant power supply, Read-Write CD ROM, floppy drive, standard VGA card, access to Internet (recommended)
- ☑ ADS can provide additional information about options and configurations for Dual Servers, dedicated DB servers or other configurations



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## Wire Server (Recommended Hardware)

Required for all systems receiving Wire Services (AP, CNN, Reuters, University Wire Exchange, etc). Note: Customer is responsible for obtaining and maintaining subscription to wire service. ADS is not a content provider.

- ☑ **Operating System:** Microsoft Windows 2008 Server®, Windows 2003 Server®, Windows XP® or Windows 7®.
- ☑ **Database:** SQL (included, configured and fully supported with EZNews software license)
- ☑ **CPU:** Intel Pentium III, Pentium IV, Xeon, or AMD equivalents (Opteron™, Athlon™, Thunderbird™, etc.). These are all x86, 32-bit or 64-bit Processors running at 1.0 Ghz or faster.
- ☑ **RAM:** 1GB RAM or more
- ☑ **Networking:** Standard TCP/IP 10/100/1000 network interface card
- ☑ **Storage:** 4gb or more (SATA, SCSI, or IDE)
- ☑ **Other:** CD ROM (Read/Write preferred), floppy drive, standard VGA card, 12" monitor, keyboard, mouse, access to Internet

## Client Workstations (including Prompter)

- ☑ **Operating System:** Microsoft Windows XP® or later
- ☑ **CPU:** Intel Pentium III, Pentium IV, Xeon, or AMD equivalents (Athlon™, Thunderbird™, etc.) x86, 32-bit or 64-bit Processors running at 1.0 Ghz or faster.
- ☑ **RAM:** 1GB RAM or more
- ☑ **Storage:** 4gb or more (SCSI or IDE)
- ☑ **Prompter Video:** **NVIDIA GeForce** 256MB GPU equivalent (or better) recommended. It is axiomatic that higher quality video adaptors result in improved prompter performance.
- ☑ **Workstation Video:** All workstations should be able to use manufacturer-supplied VGA, SVGA, or AGP graphics adaptors.
- ☑ **Networking:** Standard TCP/IP 10/100/1000 network interface card
- ☑ **Other:** 17" monitor, keyboard, mouse (Microsoft or Logitech wheel mouse recommended), CD-ROM (not required), floppy (not required)

## Apple MAC® Client Workstations (excluding Prompter)

- ☑ **Operating System:** Apple MAC® OSX or later.
- ☑ **Networking:** Standard TCP-IP networking
- ☑ **Connectivity:** Components (Remote Desktop, etc.) for the server configuration selected (Windows® Terminal Service, Citrix®, etc.).

## Network, Printers, UPS, and Peripherals

- ☑ In brief, networking components must meet the following specifications:
  - Network interface cards: Vendor and model should be listed by Microsoft as compatible with Windows networks. Each networked machine requires one card.
  - Network switches / hubs / routers: Each networked machine (including File Server and Wire Server) requires one port on the switch / hub / router.
  - Category 5 Network: Network cables must meet the 10-Base-T, 100-Base-T, or 1000-Base-T standards. We recommend RJ-45 twisted pair; Category 5 (or better) cables and connectors.
  - EZNews can perform satisfactorily on properly configured wireless networks.
- ☑ Any relatively current, relatively fast Network Laser Printers (e.g., two or more HP LaserJet 5200® series, or newer, printers with built-in network cards or Print Server). Though multi-function and inkjet machines will work, they are not recommended.
- ☑ APC® Uninterruptible Power Supplies (UPS) (or equal) for server(s), wire server(s), and prompter workstation(s)
- ☑ Good quality surge suppression for all computers and components

**For additional information or questions, visit:**

**<http://www.eznews.com/tour/tech.php>**

**or contact:**

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