This document describes various site requirements to successfully install and use AW Server product. It's the responsibility of the customer to ensure these requirements are met and necessary information provided to installers prior to installation of the product.

Hardware Install Requirements

Power	• 7x20 amp clean circuits in cabinet with standard 3 prong plugs for Low Voltage (US) or 7xC13 in cabinet plugs for High Voltage
Cooling	• 5,539 BTU/hr [Low Voltage (US)] & 7,029 BTU/hr [High Voltage] heat dissipation • Front to rear airflow
Rack	• 10 rack units required in standard 19" 4 post rack (IEC 60927) : includes server, UPS and Direct Attached Storage (5.3TB) • Need 32.5" rack depth from inside of front door to rear door • Front and rear mounting posts must be at least 18" apart • Require at least 48" front and 36" rear maintenance clearance
UPS	• UPS required to avoid data corruption during power outages (may be purchased from GE – requires 2 NEMA L5-30 sockets for Low Voltage (US) or 2 local country sockets for High Voltage)

Network Requirements

IP address	• Minimum of 2 IP addresses are required
Ports required to be accessible on the server	• **80 - http access to thin client [OR]** • **443 – https access to thin client** • 4006 – required for DICOM transfers • 17777 – required to use DirectConnect functionality with AW workstations • 17767 – required to allow access to floating licenses on AW Server
GE OLC accessible ports	• 512 – rexec for remote service • 20 – ftp data for remote service • 21 – ftp command for remote service • 22 – SSH access for remote service • 23 – telnet for remote service
Bandwidth	• 100 Mbps / 1 Gbps recommended for LAN client access • 802.11g recommended for wireless clients • Average bandwidth usage per client [22:1 compression] : 3 Mbps[i]
Service connectivity	• Point to Point VPN connectivity with GE OLC required

Server Administration

Day to day server administration needs to be performed by customer IT. This includes monitoring server health page and fault indicators, database maintenance and user management. Network and client PC troubleshooting is the responsibility of the customer.

Client PC Requirements

Although the client can run on PC's meeting minimum specifications described below, optimal performance requires faster PC's. In general, faster CPU speeds result in better interactive performance.

Hardware	• Core2Duo @2.33GHz or Pentium™ 4 @3GHz minimum (or equivalent) • 1024 MB RAM minimum; 2048 MB or more recommended • 250 MB free disk space • 100 Mbps NIC minimum
Software	• Windows 32bit XP™ SP3, Vista™ SP2, 7™ SP1 OS, 64bit XP™ SP2, 7™ SP1 OS • Mac OS X 10.6, Parallels 6.0, Windows XP Pro SP3 32bit and Windows 7 SP1 32bit • Mozilla 1.7, IE 6.0.x or 7.0.x or 8.0.x, Firefox 2.x or 3.0.x or 3.5.x web browsers • Javascript enabled in browser security settings
Privileges	• Administrative access required for client software install

Security & Privacy

Single Sign on integration	• Supports local user authentication • Supports enterprise authentication using MS Active Directory (2000 / 2003), Novell eDirectory 8.7.1 • NTP configuration recommended for enterprise authentication • Meets IHE EUA and PWP profiles
Audit trails	• IHE ATNA compliant audit messages (RFC 3881) • TCP, BSD Syslog, Reliable Syslog transport to 3rd party audit repositories
Groups & Access	Supports the following 4 groups (may be mapped to existing groups in your directory) • Service – access to administrative and GE service / management tools • Admin - access to administrative tools – user / database / network management • Standard – read access to all exams in server database and all installed applications • Limited – mandatory search enforced access based on patient id, DOB or patient name; access to reformat and results viewing applications only
Service password	• Preset password at install – can be modified on request

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[i] For good interactivity speeds, actual bandwidth needed will be much higher than the average usage stated, to accommodate peaks