

## Q-Manager™ High Reliability Server

The Q-Manager™ high reliability server is a dedicated server for a Quantum® system. It utilizes RAID 5 with 3 hard drives to prevent data loss. It is used to collect and record data from the Quantum® system.

The server is dedicated for Lutron® Quantum® software only.

### Minimum Hardware Configuration Required<sup>1</sup>

- Quad Core Intel® Xeon® processor
- 8 GB RAM
- Hot-swappable RAID 5 hard drive system (3 hard drives) with minimum 250 GB per hard drive
- Screen with minimum 1280 x 1024 resolution
- Dual hot-swappable power supplies
- Two (2) 100 MB Ethernet network interfaces
  - One (1) Ethernet network interface will be used for communication to Quantum® lighting management panels
  - One (1) Ethernet network interface will be used for communication to corporate intranet, allowing access from Quantum Vue™ client PC and/or Green Glance® client PC<sup>2</sup>

**Note:** Only one (1) Ethernet network interface is used if all Quantum® light management panels and client PCs are on the same network

### Software Required

- Microsoft® Internet Information Services (IIS) 7 or later (for Personna® PC and Quantum Vue™)
- Microsoft® Internet Explorer® 9 or later
- Microsoft® .NET Framework 3.5
- Microsoft® .NET Framework 4.5 (Quantum® 3.0 and newer)

### Auto Restart Recommended

- Server should be configured to automatically restart when power is lost so it does not remain off when power is restored
- Data recording is not active while the server is powered off

### Installation Options

- QS-A-CMP-R-0 – Standard tower server with a keyboard, mouse, and UPS
- QS-A-CMP-R-K – Standard rack mount server without a keyboard, mouse, or monitor
- QS-A-CMP-R-C – Standard rack mount server with a rack mount console with a keyboard, mouse, and slide-out monitor
- All Lutron® rack mount servers come with rails for a standard 4-post rack only

### UPS Specifications

- Capacity: 1500 VA
- Voltage: 120 V~

## Microsoft® SQL & OS Required for Each Quantum® Version

Quantum® Version	Microsoft® SQL Version	Microsoft® OS Version
1.5 - 1.9	SQL 2005 Express (default) SQL 2005 Full (requires custom installation)	Windows® XP Pro (32-bit) Windows® 2003 Server (32-bit)
2.0 - 2.7	SQL 2005 Express (default) SQL 2005 Full (requires custom installation)	Windows® XP Pro (32-bit) Windows® 2003 Server (32-bit) Windows® 7 Professional (32 or 64-bit) Windows® 2008 R2 Server (64-bit)
3.0 - 3.x	SQL 2012 Express (default) SQL 2012 Full (requires custom installation)	Windows® 7 Professional (64-bit) Windows® 2008 R2 Server (64-bit) Windows® 8 Professional (64-bit) Windows® 8.1 Professional (64-bit) Windows® 2012 R1 Server (64-bit) Windows® 2012 R2 Server (64-bit)

<sup>1</sup> If running client software from the server, a dedicated graphics card with 256 MB of memory is required.

<sup>2</sup> Energy reports and monitoring requires an energy license (P/N QSW-RPT-PP-A and QSW-GGL-PP-A).

Microsoft, Internet Explorer, and Windows Server are registered trademarks of Microsoft Corporation in the United States and/or other countries. Intel and Xeon are trademarks of Intel Corporation in the U.S. and/or other countries.

<b>Job Name:</b>	<b>Model Numbers:</b>
<b>Job Number:</b>	