

Classic LAC/E Configuration 16 Acquisition Server

INTRODUCTION

Waters™ Classic LAC/E™ Acquisition Server is a purpose-built appliance designed for network installations of Empower™ Chromatography Data Software to perform instrument control, data acquisition, remote processing, and data buffering activities – all while providing enhanced raw data security, robust remote access to instrument systems, and enhanced system performance.

- **Built for business:** Designed with high reliability in mind – with no moving parts. Count on 24/7/365 dependability and lower service costs
- **Rugged and durable:** Runs at a minimum operating temp range of 0–50 degrees Celsius and designed to MIL-STD-810G
- **Warranty:** Classic LAC/E comes with a four-year hardware repair/replacement warranty
- **Operating systems:** Pre-installed with your choice of Microsoft Windows 10 Enterprise LTSC (Long Term Service Branch) build 1607, or Windows 7 Professional SP1
- **Less energy, more power:** Multi-core processors based on the new Intel® i-Core series processor for increased performance without sacrificing energy
- **Embedded I/O:** Supports Ethernet, Serial Instrument Control, and busLAC/E

CONFIGURATIONS

Microsoft® Windows® 10 Enterprise LTSC (64-bit) build 1607

Part numbers:	176004143	(Classic LAC/E Hardware Only) Win10
	176004144	(Classic LAC/E Dual System) Win10
	176004145	(Classic LAC/E Quad System) Win10

Microsoft Windows 7 Professional SP1 (64-bit)

Part numbers:	176004138	(Classic LAC/E Hardware Only) Win 7
	176004139	(Classic LAC/E Dual System) Win 7
	176004140	(Classic LAC/E Quad System) Win 7



WATERS SYSTEM CONTROL LICENSES

The Classic LAC/E Quad Acquisition Server comes with four Waters system control licenses. The Classic LAC/E Dual Acquisition Server comes with two Waters system control licenses.

For Serial Instrument control, adapter cable 441001561 is required for each serial system.

SUPPORTED SYSTEMS

The Classic LAC/E delivers flexibility in deploying various Waters and third-party instruments, as Empower Software supports over 45 UPLC™, HPLC, or GC modules.

Up to four active chromatographic systems can be online at one time on a Classic LAC/E, although this number may vary depending on the detector and its resolution settings.

Note: The Classic LAC/E supports a BusLAC/E card. For customers that do not require BusLAC/E support, the eLAC/E platform version is appropriate.

The Classic LAC/E comes standard with a dedicated interface for four Ethernet instrument controls and supports other interfaces specific to the instruments that use communications, such as USB, RS-232 serial, and IEEE-488 (GPIB), via the BusLAC/E card.

STORAGE SUPPORT

The Classic LAC/E comes equipped with solid-state drive technology.

OPERATING SYSTEM DETAILS

- Microsoft Windows 10 Enterprise LTSB build 1607 version is designed for stability, preventing devices from receiving feature updates while providing only quality updates to ensure device security stays up to date
- Maintains application compatibility found with traditional operating systems
- Extended product availability from Microsoft

HARDWARE SPECIFICATIONS

- **Processor:** Intel® Core i3-6100E 2.7 GHz processor
- **Operating system(s):** Microsoft Windows 10 Enterprise LTSB build 1607 or Windows 7 Professional SP1

- **Memory:** 8 GB (2x4G) 2133 MHz DDR4
- **Hard drive:** 512GB APACER SSD
- **Height:** 10.5" (270 mm) x Width: 9.8" (249 mm) x Depth: 4.2" (107 mm)
- **Target weight:** 12.8 lb (5.8kg)
- **Environmental:** IP30 Rating
- **Operating temperature:** 0 °C to 50 °C
- **USB ports:** 4 USB 2.0 and 4 USB 3.0
- **Form factor:** Fan less design, optimized minimal bench space mounting
- **I/O expansion slots:**
 - Network: 2 Dual Independent Gigabit Ethernet (RJ-45) and 4 ports for Instrument LAN
 - Serial interfaces: 4 x RS-232/422/485 (set by BIOS)
 - PCI slots: 2 (one utilized by Instrument LAN interface)
- **Software:** Custom Waters Win 7 or Win 10 Image
- **Power:** Nominal input 24V DC (12-26V)

WARRANTY DETAIL

Your warranty details the coverage and protection for your Waters LAC/E. In the event of a failure during the warranty period, please contact Waters to troubleshoot and to arrange a repair or replacement.

The warranty does not include:

- Software, including the operating systems and software added through our integration system, or the reloading of software
- Installation services
- Qualification services
- Onsite services

Waters

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