

eLAC/E Configuration 16 Acquisition Server

INTRODUCTION

Waters™ eLAC/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:** eLAC/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 Intel® Atom increase performance without sacrificing energy
- **Embedded I/O:** Supports both Ethernet and Serial Instrument Control

CONFIGURATIONS

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

Part numbers:	176004115	(eLAC/E Hardware Only) Win10
	176004134	(eLAC/E Dual System) Win10
	176004135	(eLAC/E Quad System) Win10

Microsoft Windows 7 Professional SP1 (64-bit)

Part numbers:	176004070	(eLAC/E Hardware Only) Win 7
	176004129	(eLAC/E Dual System) Win 7
	176004130	(eLAC/E Quad System) Win 7

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



WATERS SYSTEM CONTROL LICENSES

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

SUPPORTED SYSTEMS

The eLAC/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 an eLAC/E, although this number may vary depending on the detector and its resolution settings.

Note: The eLAC/E does not support a BusLAC/E card (see Classic LAC/E).

The eLAC/E comes standard with a dedicated interface for Ethernet instrument control, and supports other interfaces specific to the instruments that use communications such as USB and RS-232.

STORAGE SUPPORT

The eLAC/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 CPU Atom E3845 1.91 GHz, 2M cache
- **Operating system(s):** Microsoft Windows 10 Enterprise LTSB build 1607 or Windows 7 Professional SP1
- **Memory:** 8 GB (1x8G) 1600 MHz DDR3L

- **Hard drive:** 512GB APACER SSD
- **Size:** Height: 6.5" (161 mm) x Width: 9.5" (240 mm) x Depth: 2.5" (60 mm)
- **Target weight:** 6.2 lbs. (2.8 kg)
- **Environmental:** IP30 Rating
- **Operating temperature:** 0 °C to 50 °C
- **USB ports:** 1 USB 3.0, 2 USB 2.0
- **Form factor:** Fanless design optimized for minimal bench space mounting
- **I/O expansion slots:** 2 Dual Independent Gigabit Ethernet (RJ-45), 1 RS-232/422 via multi-function port
- **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 eLAC/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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