



# Agilent OpenLAB Chromatography Data System (CDS)

## Waters Alliance, e-Alliance Instrument Control Driver 6.1.2.1

### Data Sheet

Agilent OpenLAB CDS uses an open systems approach to integrate instruments from different manufacturers into a single environment. This protects the organizations' investment into instruments, data and knowledge in their analytical laboratories, and reduces training and operating costs.

The Agilent M8239AA "Waters Alliance Control for OpenLAB CDS" is an instrument control driver add-on for Agilent OpenLAB CDS EZChrom and ChemStation editions. It enables full instrument control of and data acquisition from the Waters Alliance and Waters e-Alliance, including the Waters 2996 PDA and Waters 2489 Dual Wavelength Detector in Agilent OpenLAB CDS.

This driver is based on Agilent's Rapid Control (RC.NET) driver technology, an emerging de-facto standard for interfacing instruments into Chromatography Data Systems.



## Supported Modules by the Waters Alliance LC-AddOn Driver 6.1.2.1

The instrument must conform to the compatibility list and the minimum firmware requirements. It is expected that the instrument has been installed and prepared according to the manufacturer's guidelines. Instrument must be installed and operational before driver installation can begin.

Module Type	Modules Names	Communications	Min.Firmware Rev.
Integrated LC Autosampler + Pump	Waters Alliance 2690	GPIB	1.20
	Waters Alliance 2695	GPIB	2.04
	Waters Alliance e2695	Ethernet/GPIB	3.00
UV Detector	Waters UV 2487	GPIB	1.02
	Waters UV 2489*	Ethernet	1.41.6164
PDA Detector	Waters PDA 996	GPIB	1.8
	Waters PDA 2996	GPIB	R3.5
	Waters PDA 2998*	Ethernet	1.41.6164

Note: It is mandatory to install the Waters Driver Pack 4 component 667005149RevA from Waters Corporation prior to installing the Waters Alliance LC-AddOn. This component is included with M8239AA Agilent OpenLAB CDS driver for Waters Alliance.

### OpenLAB CDS Software Requirements

- Supported on OpenLAB CDS EZChrom Edition A.04.05, A.04.06 and A.04.07.
- Supported on OpenLAB CDS ChemStation Edition C.01.05, C.01.06 and C.01.07.

### Supported Languages

- English

### Supported Topologies and Virtualization

- OpenLAB CDS: Workstation, Networked Workstation, Distributed Systems
- An additional, dedicated network card is mandatory for controlling Waters e-Alliance
- Installations of the Waters Alliance Driver on virtual machines (e.g. VMWare) are supported in principle, and have special installation requirements.
  - LAN-based detectors in virtualized installations of OpenLAB CDS with physical network interfaces will require the use of LAN-to-USB adapters.
  - Virtualized installations where the number of instruments is greater than the number of physical network interfaces, require configuring virtual networks (VLAN).

Note: Please contact Agilent's Professional Services Team if virtualized deployment is planned.

### Operating System Requirements

- OpenLAB CDS A.02.01 and A.02.02
  - Windows 7 SP1 (32/64 bit): for Workstations, Clients and AIC
  - Windows 8.1 (64 bit): for Workstations, Clients and AIC
  - Windows XP, Vista, Windows 2003 Server are not supported by OpenLAB CDS

### Maximum Number of Instruments

- A maximum of 2 GPIB-based Waters Alliance LC instruments is supported. Each Waters Alliance LC stack (Alliance including its detector) needs to have its own GPIB adapter. It is not possible for 2 LC stacks to share the same GPIB bus.
- It is recommended to operate only one Waters Acquity or one Waters Alliance LC instrument on a OpenLAB CDS Workstation or AIC. This is to avoid inadvertent interruption of other Waters LC when the shared Waters Instrument Service process stops, e.g. during troubleshooting on one Waters LC.

## OpenLAB CDS Hardware Requirements

- Please refer to the hardware requirements specified for the respective OpenLAB CDS version.
- For LAN-based Waters LC instruments, an additional, dedicated LAN card in the acquisition PC (AIC or workstation) to interface the Waters e-Alliance LC to OpenLAB CDS.

## Ordering Information

Part Number	Description	Notes
M8239AA	Waters Alliance Control for OpenLAB CDS	1 license per Waters Alliance or e-Alliance LC instrument
M8300AA	Non-Agilent Instrument Control License	1 license per Waters Alliance/e-Alliance instrument
M8360AA	OpenLAB CDS 3D UV add-on license	1 license per Waters 3D instrument (with PDA detector)

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