How to add support for a new instrument to Clarity?

Clarity can directly control more than 1000 instruments. The list of controlled instruments is available on www.dataapex.com/controls and is updated each release.

Any instrument or a chromatographic system can be controlled by so called Clarity control module. If you want to add **a new control module ("CTRL")**, it is possible through these **3 options**:

a) A control module is developed by the manufacturer itself (most common)

b) A control module is developed by a third party (we can recommend a reliable company)

c) A control module is developed by DataApex when there is significant demand from our distributors

Control module development environment

There are three types of development interfaces that can be used for programming a control module. The developer can choose according to the module's complexity and other parameters what suits him the best. A detailed comparison between the most used UNI Ruby and SDK interfaces is available in *D187-SDK-and-UNI-Ruby-comparison-table datasheet* accessible on our website (section Products - Control modules). Below is a brief description of the main differences:

1. **UNI Ruby** – suitable for simple devices (autosamplers, pumps, detectors). Script can be directly added to the local Clarity station. When it should be distributed regularly with Clarity, it must be part of the Clarity installation. To achieve this, it is necessary to conclude the agreement and send the script for testing to DataApex. Testing and UNI Ruby support are charged. UNI Ruby is easy fast programming, but has some limitations such as basic user interface, limited communication and no support of external libraries. For more information refer to www.dataapex.com/product/uniruby.

2. **SDK** (Clarity Software Development Kit) – suitable for complex devices (GC, HPLC systems). It requires an experienced C++ programmer. It is more complex and flexible. We can provide access to our SDK kit for free. SDK Wizard and examples are also available. To be distributed regularly with Clarity, the control module must be part of the Clarity installation. To achieve this, it is necessary to conclude the agreement and send the dll for testing to DataApex. Testing and SDK support are charged. For more information refer to www.dataapex.com/product/sdk.

3. **RC.net ICF drivers** – a special case that requires agreement with Agilent, for more details about development please contact us on support@dataapex.com. For more information about Agilent ICF refer to www.dataapex.com/product/controls-agilent-icf.