Controller for building infrastructure
IoT-based networking of complex infrastructures
Easy automation based on the Internet of Things

You can use the ILC 2050 BI controller to automate different subsections in the building infrastructure, data centers and distributed properties. It has a variety of interfaces and supports a wide range of protocols.

The integrated Niagara Framework enables you to have IoT-based automation due to standardization of various data types. This makes it easy to connect various sensors and actuators regardless of the manufacturer and communication protocol. The controller’s functions can be expanded with the Inline I/O Portfolio from Phoenix Contact.

Your benefits

✓ Minimized commissioning costs thanks to different protocols on one controller
✓ Low effort involved with integrating sensors and actuators using standardized functions
✓ Easy programming using drag-and-drop
✓ Cost-effective operation thanks to location-independent, web-based maintenance, monitoring and programming
Easily integrating different subsections

With the ILC 2050 BI controller and the Niagara Framework you can easily integrate, configure and visualize your infrastructure applications.

**Easy integration**
The Niagara Framework includes numerous communication drivers for connecting different systems of the field level. The connected devices and data are standardized and then are available in the overall system.

**Efficient programming**
The control application is programmed using a graphic development tool. This makes it easy for you to combine complex applications using drag-and-drop.

**Layered station management**
With Supervisor you can create a layered, PC-based environment for visualization and configuration. This is an easy and efficient way of configuring multiple stations across locations.

**Integrated security**
Integrated security functions such as TLS encryption, SSL support, access control and permission management ensure maximum data security.

**Flexible licensing**
The Niagara license for the controller is based on the number of data points that can be integrated. A one-year maintenance license for software updates and upgrades is already included.

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**Product overview**

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<th>Description</th>
<th>Controller for building infrastructure</th>
<th>Licenses for Framework, maintenance and Supervisor</th>
<th>Compatible I/O modules</th>
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**Supported protocols**
- BACnet IP
- KNX IP
- M-Bus
- Modbus
- BACnet MS/TP
- SNMP
- DALI

A Supervisor is used for layered configuration, visualization and engineering over multiple stations. All licenses can be expanded as needed at any time.
In dialog with customers and partners worldwide

Phoenix Contact is a globally present, Germany-based market leader. Our group is synonym for future-oriented components, systems, and solutions in the fields of electrical engineering, electronics, and automation. A global network across more than 100 countries, and 14,500 employees ensure a close proximity to our customers, which we believe is particularly important.

The wide variety of our innovative products makes it easy for our customers to find future-oriented solutions for different applications and industries. This is especially true for the fields of energy, infrastructure, process and factory automation.

You will find our complete product range at:
phoenixcontact.com