

Application Program Interface (API)

Overview

The Facility Commander™ Wnx open Application Program Interface (API) provides a Windows-based development framework to address customer application integration requirements. The feature-rich API offers real-time bidirectional alarm and unidirectional event processing with remote command-and-control functionality for development of standard interfaces. This allows third-party security, life safety and facilities systems to seamlessly integrate with Facility Commander Wnx using the API.

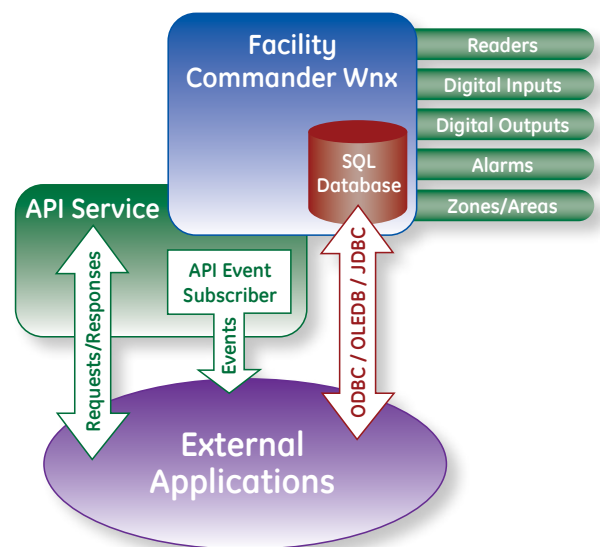
The API is available to third parties seeking to rapidly develop standard system interfaces for application compatibility with Facility Commander Wnx. Designed for developers, the API eliminates the need to require access to source code or to have a detailed understanding of Facility Commander Wnx. The API is fully documented and even includes sample COM application code for modeling in Visual Basic .NET, C++ and C#.

The API also provides additional technical documentation for taking advantage of the Facility Commander Wnx open database with embedded triggers, and for integrating with personnel databases to allow personnel data to be accurately updated in real time across the system.

Customers can license individual API connections and ensure compatibility with any number of available third-party solutions designed with API support. API connections can be licensed on Facility Commander Wnx Professional, Enterprise and Global Edition platform configurations.

Standard Features

- Seamless integration with Facility Commander Wnx
- Fully documented, and comes with sample COM application code for modeling in Visual Basic .NET, C++ and C#
- Real-time bidirectional alarm and unidirectional event processing
- Real-time integration with personnel databases
- Compatible with a wide range of third-party solutions
- Flexible licensing options



Developer Requirements

- Lenel Developer Program registration
- Application programming skills in either Visual Basic .NET, C++ or C#
- Knowledge of Microsoft® COM/DCOM objects
- Knowledge of Microsoft SQL server ODBC

Facility Commander™ Wnx API Capability Summary

Monitoring & Event Management

Processing real-time events from selected Facility Commander™

Wnx system devices:

- Access control transactions from readers
- Status- and state-change transactions from digital inputs
- Status- and state-change transactions from digital outputs
- Status- and state-change transactions from intrusion zones and security areas
- Status- and state-change transactions from alarms
- Receive host and controller level mode changes
- Acknowledge Facility Commander Wnx-generated alarms
- Create and post externally generated alarms to Facility Commander Wnx

Command & Control Capabilities

Initiate real-time control of selected Facility Commander Wnx system devices:

- Reader-controlled doors (Lock/Unlock)
- Alarm-point monitoring (On/Off)
- Digital input points (Enable/Disable)
- Digital output points (Activate On/Off)
- Intrusion zones and security areas (Arm/Disarm)
- Invoke controller level mode changes

Ordering information

WXSWOPT-001APIC	FCWnx API connectivity, add-on option per instance
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The API is included in the media kit of any Facility Commander base software license package or unlicensed media replacement package. Please contact Lenel pre-sales support for specific details on how to register for the Lenel Developer Program.

lenel.com/FCWnx

(855) 536-3573

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