BOSCH

Intelligent control

▶ Integration between various Bosch security and safety products

▶ Easy integration with MQTT-supported devices

▶ Definable actions started by events using compound logic and comparison operators

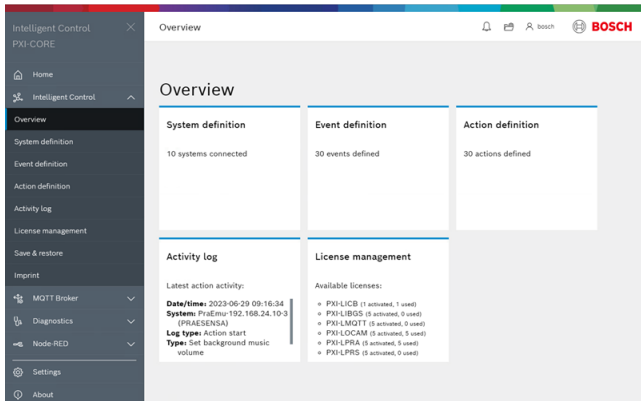▶ Web-based user interface for configuration

▶ High level of cybersecurity in place

The Intelligent control is a PXI-CORE Edge controller application that offers smart IP-based integration between various Bosch Security and Safety products by making use of the available IP interfaces. Additionally, it seamlessly integrates with MQTT-supported devices, allowing for extended connectivity and compatibility. In this way, Intelligent control can effortlessly interact with a broad range of systems and devices.

The configuration is done via an intuitive web-based user interface. Through the use of events and actions, the user has total control over the configuration. The action defines what needs to happen in one of the connected systems. The event defines when it happens. You can combine multiple inputs using logical AND/OR operations, and you can start various actions based on the same event.

System overview

The Intelligent control app establish IP connections to the following different supported devices/ systems:

• Praesensa
• Praesideo
• Bosch cameras supporting ONVIF profile M
• B/G series intrusion panels
• Generic MQTT devices

Once connected, it will retrieve information from the connected systems available for a fast and easy configuration.

Functions

Praesensa/Praesideo
• Events based on the status of: Zone, BGM, Virtual Input contacts, Alarm and Connection
• Actions to play messages, make calls, change BGM routing/volume, set Virtual Input contact state and report a fault

Bosch cameras supporting ONVIF profile M
• Events based on the status of the following:
  – VCA alarms motion, Line crossing, counting, object in Field, loitering
  – Digital input, relay, connection
• Actions to set camera pre-positions, control relay

B/G-series intrusion panels
• Events based on the status of: Points, Areas, Outputs, Doors, Connection
• Actions to set output state, arm or disarm area and set door state

MQTT supporting devices
• Events based on MQTT topics and their payload
• Payload JSON, text or number
• Actions to send MQTT topic with user definable content

Installation/configuration notes

The application can be downloaded for installation on the PXI-CORE Edge controller. For the most recent version, visit www.boschsecurity.com.

The Intelligent control is a license-based application. Depending on the project, the corresponding licenses need to be purchased. The table below gives an overview of the available licenses; they are all perpetual licenses.

License	Description	Minimum licenses required	Maximum licenses supported
PXI-LICB	Base license required for the use of the Intelligent Control application	One for the Intelligent Control application	1
PXI-LIBGS	B/G series Intrusion panel license	One required per panel	5
PXI-LOCAM	ONVIF profile M camera license	One required per camera	50
PXI-LPRA	Praesensa system license	One required per (redundant) Praesensa controller	5
PXI-LPRS	Praesideo system license	One required per Praesideo controller	5
PXI-LMQTT	MQTT control license	One per client	50

System limitations

The following table provides the maximum values for guaranteeing the system performance:

Max number of connected systems (any combination of the systems below)	125
Max number of ONVIF cameras	50
Max number of Praesensa systems	5
Max number of Praesideo systems	5
Max number of B/G series panels	5
Max number of MQTT devices	50
Max number of actions	250

Max number of events	250

Technical specifications

The Intelligent control is a software application that runs on the PXI-CORE Edge controller application. For more information, refer to the PXI-CORE Edge controller documentation set.

Ordering information

PXI-LICB License intelligent control base
License intelligent control base
Order number **PXI-LICB | F.01U.404.567**

PXI-LIBGS License per B/G series control panel
License per B/G series control panel
Order number **PXI-LIBGS | F.01U.404.570**

PXI-LOCAM License per ONVIF camera
License per ONVIF camera
Order number **PXI-LOCAM | F.01U.404.569**

PXI-LPRA License per PRAESENSA
License per PRAESENSA
Order number **PXI-LPRA | F.01U.404.568**

PXI-LPRS PRAESIDEO control license
PRAESIDEO control license
Order number **PXI-LPRS | F.01U.408.593**

PXI-LMQTT MQTT control license
MQTT control license
Order number **PXI-LMQTT | F.01U.417.498**