

INFORMATION	NIO - Applications
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Audisi NIO = Network logic inputs+outputs

When there are limitations in logic routing and control, this might save you. Transport logics from one system to another. Or from one source to multiple destinations in separate networks.

NIO client/server applications were built to translate logics coming from several systems and sources to a digital highway. So they can all be transported and used in one or more different locations.

Protocol conversion, logic address conversion, translating between logic types. And that for thousands of logics scattered all over multiple studio locations. It can be done fast and reliable and allows you to build a large distributed system.

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FEATURES

Mission critical

Ultra stable. Since remote control should be.

Customizable

Clients can be tailored to you needs.

Flexible licensing system

NIO uses one central license based on a concurrent use ('floating license') principle. Just select what mix of applications will be used at any given time up to the maximum license value. Licences can be adapted easily by using an update application. There is no need to install a dongle on each machine or sending dongles by mail for each license change.

Easy installation

Applications can be started from a local drive or over the network. The server is equipped with an embedded database driver so there is no need to install a database server or additional driver software on each machine. Almost all changes to settings are effective immediately without restarting applications.

Robust and low maintenance

All clients reconnect to the server automatically as soon as the network becomes available again. Because only the server 'owns' the database, there is no risk of record or file locking. In case of replacing a defective machine, reconfiguration is not necessary: all clients save their settings in the central database, not in local files or (worse) the registry.

CLIENT/SERVER COMPONENTS

Besides the central NIO-Server, the system consists of multiple specialized client applications. Using the server saves costs of database licenses. It enables sharing metadata and real-time status and control via a standard TCP/IP network.

NIO-Driver

Knows how to control and readout logic information from the device or network it connects to.

NIO-SERVER

Platform server

Description

Central (database) server that accepts connections of various types of clients that exchange data and control.

Features

- Safety: the server can generate automatic database backups

NIO-DRIVER (CLIENT)

Logic endpoint

Description

Protocol conversion between highway and the connected device. Transports logics from highway to device or from device to highway so logic information can be sent and received via the server.

Features

- Safety: Automatically reconnects to the server
- Safety: Automatically reconnects the control port

DOCUMENT HISTORY

Date	Version	Author	Changes
2014-Sep-11	3.23	BCL	<ul style="list-style-type: none">• New

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