Access Manager: license for one RFID reader

The AccessManager software application, after uploading, setting parameters and starting, turns the Kathrein RFID reader into a completely autonomous unit that does not need to be connected to the corporate system. It automatically reads RFID tags in the vicinity, evaluates them, and according to the set rules, switches the relevant digital outputs on the GPIO. It stores all events in its memory for later upload at the request of the central enterprise system.

The AccessManager app from Kathrein Solutions combines RFID reading results with digital input and output signals (GPIO) and makes decisions on that basis. As a result, anything from access authorizations at parking garage barriers to sorting systems for containers can be managed autonomously. The starting point is an input signal from a light barrier or a sensor, which is read by a digital input on the reader. This starts an automatic process which reads transponder data and takes decisions on the basis of a predefined white list. These decisions can be sent to digital outputs immediately to operate conveyor belt switches or parking barrier relays. Additionally, the LEDs on the reader can be activated to give the user visual feedback on the process.

AccessManager allows rules to be created easily in the Linux operating system without any programming knowledge. In addition to the authorizations recorded, each reading event can be stored in a log file. The participant identification and precise time are recorded in an SQLite database. This information can be retrieved for a set period, with access via a remote connection or locally as a CSV or XML file.