

eKanban[®]

eKanban wireless system

eKanban is a state-of-the-art wireless system patented by FasThink that allows for a significant improvement in managing the procurement of materials for production lines, making the supply chain more efficient.

The eKanban consists of a Gateway antenna that is able to manage a wide number of sensors via LoRaWan communication protocol, while the design of the sensor is similar to that of a limit switch for industrial use.

The sensor is typically installed on gravity roller conveyors on which the containers are placed for collection of the materials required for kits for manufacturing or e-commerce. When an empty container is removed from the rollers, the sensor detects its state and sends the automatic procurement request for the restocking of the missing material.

Easy to install, it requires no complex or costly wiring work. With the eKanban system, information travels over long distances with low power consumption.



eKanban Gateway characteristics

Power supply	10 - 27 Vdc
Wireless communication protocol	LoRaWan
Coverage area	> 100 m
Communication interface	Ethernet
Dimensions	276 x 166 x 60 mm
Protection rating	IP55
Temperature range	-0 °C +50 °C

eKanban sensor characteristics

Power supply	Lithium 3.6 V battery
Communication protocol	LoRaWAN
Dimensions	80 x 30 x 30 mm
Protection rating	IP55
Temperature range	0 °C +55 °C
Battery life	more than 6 years with a maximum of 10 activations per day