

SIEMENS



Brochure

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ARROW GATE®*

RFID system solution with SIMATIC RF600

In order to enhance the transparency of logistic and production processes for automatic product identification, we are now offering a newly designed and easy-to-integrate RFID gate for reliable detection of RFID tags. This system implements our tried and tested SIMATIC RF600 UHF RFID read/write devices and enables end-to-end track & trace projects to be mapped over the entire value added chain.

The ARROW GATE is a modular, standardized system solution for the bulk capturing of objects equipped with RFID tags. The control cabinet for the gate has a uniform, cost-efficient structure. Core components of the RFID gate are the SIMATIC RF650R RFID reader and the SIMATIC RF650A external antennas. The RFID gate control cabinet is also equipped with a industrial PC which evaluates the read events locally, and forwards qualified booking data onto higher-level middleware and/or enterprise systems by means of an XML interface. All connections can be plugged in on the exterior of the control panel. This allows easy replacement for servicing events, thus minimizing potential downtime.

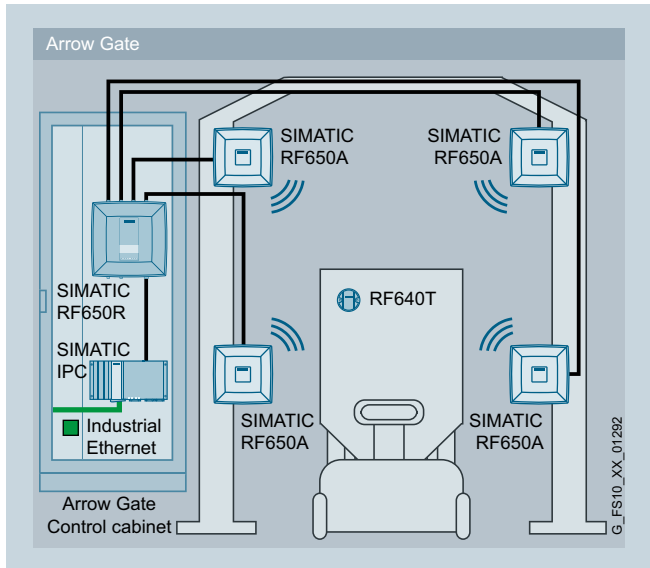


Highlights

- Maintenance-friendly, standardized RFID gate, with mass rollout capability
- Contactless, RFID for bulk capturing and direction identification in real time
- Size can be individually adapted to ambient conditions
- Powerful filter software for generating qualified booking events
- Optical and acoustic feedback options

* ARROW GATE is a trademark of the TAGnology RFID GmbH company. The RFID gate from TAGnology RFID GmbH contains Siemens RFID components.

[siemens.com/rf600](https://www.siemens.com/rf600)



The filter software on the industrial PC enables the output of qualified, stored booking events for higher-level MES/ERP systems through reliable, bidirectional direction identification at the level of individual RFID tags. Inadvertent readings from static tags (goods stored in the immediate vicinity) or from goods passing nearby can be excluded. This removes the need for additional RF shielding areas on the sides of the Arrow Gates. The design concept makes it possible to replace hardware components within minutes in the event of damage – without the need for specialists. The configuration stored on the memory card is available again immediately after restart.

Technical specifications	
Dimensions	
Installation width min/max	2290 to 4990 mm
Passage width min/max	1460 to 4160 mm
Installation height, modular	2340 / 2490 / 2790 mm
Passage height, modular	2260 / 2410 / 2710 mm
Installation depth	900 mm
Shipping unit	Export wooden crate in accordance with IPPC / ISPM15 800 × 1200 × 1400 mm (W × L × H), can be transported from both sides
Operating temperature	0 to +35 °C
Protection class	IP54
Net weight, standard version	158 kg
Floor mounting	Bolt anchor, 100 mm drill hole depth
Power supply	120 V AC / 230 V AC
Power consumption	Max. 250 W
RFID standard	ISO 18000-63 / EPCglobal Class 1 Gen2
Radiated power	Up to 2W ERP (ETSI)
Order no.	VSR:030713263

Areas of application

- Incoming and outgoing goods
- Tracking & tracing
- E-Kanban
- Asset management
- Supply chain management

Requirements

- Creation of transparent intralogistics
- Easy interfacing to higher-level enterprise systems
- Avoidance of incorrect entries
- Secure flow of goods
- Output of qualified booking data

Security information

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions only form one element of such a concept. For more information about industrial security, please visit <https://www.siemens.com/industrialsecurity>

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