



SIM200

Flexible and intelligent sensor connection

SICK
Sensor Intelligence.



Technical data overview

Supported products	IO-Link sensors Sensors with digital inputs and outputs
Development environment	SICK AppStudio, Can be programmed within the SICK AppSpace environment
Ethernet	✓
IO-Link	✓
USB	✓
Digital inputs/outputs	S1-S4 In each case 1 input, in each case 1 input/output (can be configured)
Enclosure rating	IP67

Product description

The programmable Sensor Integration Machine SIM200, an edge gateway, enables the connection to the data level from the sensor level and access to the sensor level from the data level. In the edge, IO-Link signals, digital inputs and digital outputs are detected from several sensors, combined and processed into valuable information, for example for quality control or process analysis. The sensor data is transmitted to the data level via Ethernet. As part of the SICK AppSpace eco-system, the SIM200 can be programmed via SICK AppStudio.

At a glance

- Programmable Sensor Integration Machine
- 4 configurable IO-Link master ports for connecting IO-Link sensors and sensors with digital switching signals
- Two Ethernet ports with a common IP address
- Complex application tasks can be solved with the SICK Interface & Algorithm API
- IP67 enclosure rating

Your benefits

- Low-cost combination of edge gateway functions and sensor data processing for access to the sensor level from the data level
- IO-Link technology enables innovative sensor integration and data transparency
- Easy development of customized data applications with graphical application modeling in SICK AppSpace
- Rugged design concept with IP67 enclosure rating for industrial use

Fields of application

- Connecting IO-Link sensors and digital switching signals in all areas of factory and logistics automation
- Recording, presentation, processing and archiving of data, e.g. for material management, quality control, process analysis and predictive maintenance in the context of Industry 4.0

Ordering information

Other models and accessories → www.sick.com/SIM200

- **Enclosure rating:** IP67
- **Connections:** Power, S1-S4, IO-Link Master, Ethernet, CONFIG

Product category	Supported products	Processor	Toolkit	Type	Part no.
Programmable devices	IO-Link sensors, Sensors with digital inputs and outputs	ARM Cortex M7 + NetX51	SICK algorithm API	SIM200-0POG12200	1103656

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com