DIMA500

Powerful processing and integration of sensor data

DATA INTEGRATION MACHINE

SICK
Sensor Intelligence.

DIMA500
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Technical data overview

Supported products	SICK Analytics Solutions, SICK AppEngine
Processor	Intel® Core™ i7-6820EQ
Random Access Memory	4 GB DDR4 2,400 MHz (up to 32 GB)
Storage	
Hard disk	2 x 2.5" SATA drives
CompactFlash	1 x CFast Steckplatz
Internal memory slot	1 x M.2 2280
Ethernet	✓ (4)
USB	✓ (8)
Serial	✓ (6)
Operating system	To be used with Linux Ubuntu OS

Product description

The DIMA500 data integration machine is a fan-free industrial computer for processing and integrating sensor data. The flexible device can be seamlessly integrated into the SICK AppSpace eco-system and the IntegrationSpace® from SICK. The rugged hardware enables the acquisition of sensor data, high-performance processing and archiving on the edge level and vertical integration of data into higher-level system levels as well as secure transmission into the cloud.

At a glance

- Powerful industrial computer with Intel® Core™ i7 processors of the newest generation
- Versatile use with SICK AppEngine and Analytics Solutions from SICK
- 4 GigE interfaces and versatile connection options
- Rugged, fan-free design in compact housing
- Memory can be expanded to 4 TB
- Temperature range: –20 °C to +60 °C

Your benefits

- Powerful hardware for data-intensive Industry 4.0 solutions
- Reduced maintenance effort thanks to rugged, fan-free design for industrial use
- Easy, time-saving integration into the SICK AppSpace eco-system and the IntegrationSpace® from SICK
- Ready for use with the SICK AppEngine for individual and innovative applications
- Reduced development effort due to reusable SensorApps and world-wide availability via SICK AppPool
- More transparency and reduced downtime with the help of Analytics Solutions from SICK

Fields of application

- Acquisition - detection of sensor data in factory and logistics automation
- Processing - data and image processing with SICK AppEngine
- Analysis - evaluation and visualization of data with Analytics Solutions from SICK
- Integration - interfaces to higher-level systems and cloud services in the spirit of Industry 4.0

Ordering information

Other models and accessories ➜ www.sick.com/DIMA500

Supported products	Further functions	Type	Part no.
SICK Analytics Solutions, SICK AppEngine	Watch Dog Timer	DIMA501-1021	1100464

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**

SICK AG | Waldkirch | Germany | www.sick.com

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