



DIMA501-1021

DIMA500

EDGE COMPUTING DEVICES

SICK
Sensor Intelligence.



Ordering information

Type	part no.
DIMA501-1021	1100464

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



Detailed technical data

Features

Supported products	SICK Analytics Solutions SICK AppEngine	
Processor	Intel® Core™ i7-6820EQ	
Random Access Memory	16 GB DDR4 2,400 MHz (up to 32 GB)	
Storage	Hard disk	2 x 2.5" SATA drive slots (1 x 1 TB SSD assembled)
	CompactFlash	1 x CFast Steckplatz
	Internal memory slot	1 x M.2 2280
Further functions	Watch Dog Timer	

Mechanics/electronics

Supply voltage	9 V DC ... 32 V DC ¹⁾
Weight	4 kg
Dimensions (W x H x D)	230 mm x 90 mm x 204 mm
Mounting system type	Wall assembly set

¹⁾ Optional: 160 W AC/DC adapter.

Interfaces

Ethernet		✓ (4)
	Function	Intel® GbE ports
USB		✓ (8)
	Function	4 x USB 3.0, 4 x USB 2.0
Serial		✓ (6)
	Function	COM (2 x RS-232, 4 x RS-232/RS-422/RS-485)
Digital inputs		8, electrically isolated
Digital outputs		8, electrically isolated
Audio		1 x micro input 1 x line-out connection
Video		2 x DisplayPort (4096 x 2304) 1 x DV-I
Expansion options		2 x PCIe mini card slots 2 x USIM slots

Ambient data

Electromagnetic compatibility (EMC)	EN 61000-6-4:2007+A1:2011 / EN 61000-3-2:2014 / EN 61000-3-3:2013 / EN 61000-6-2:2005 / AC:2005
Vibration load	IEC 60068-2-64
Ambient operating temperature	-20 °C ... +60 °C
Ambient temperature, storage	-40 °C ... +85 °C
Permissible relative humidity	Approx. 95 %, at 40 °C
ESD	IEC 61000-4-2:2008

General notes

Items supplied	DIMA501-1021 1 TB SSD hard drive Wall assembly set Quickstart
Operating system	To be used with Linux Ubuntu OS

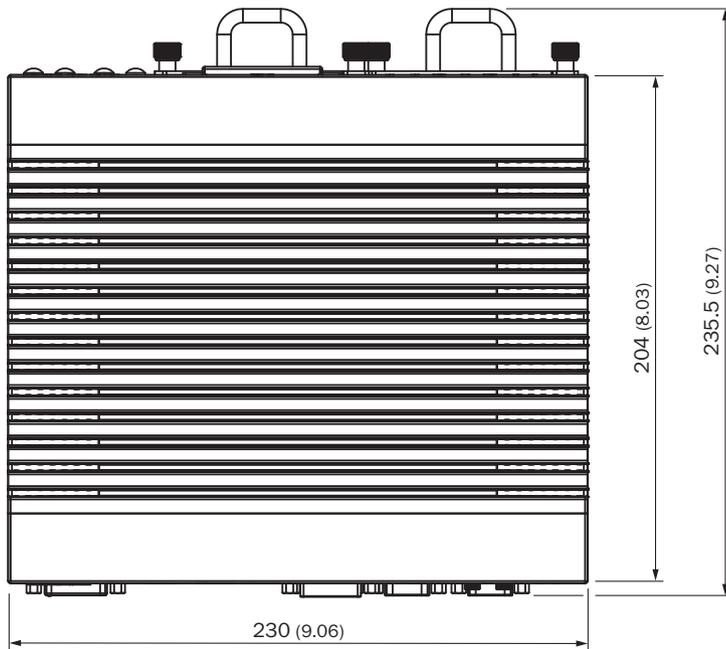
Certificates

EU declaration of conformity	✓
ACMA declaration of conformity	✓
China RoHS	✓

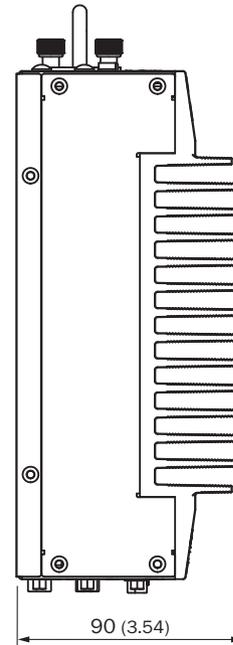
Classifications

ECLASS 6.0	19200101
ECLASS 6.2	19200101
ECLASS 7.0	19200101
ECLASS 8.0	19200101
ECLASS 8.1	19200101
ECLASS 9.0	19200101
ECLASS 10.0	19200101
ECLASS 11.0	19200101
ECLASS 12.0	19200101
ETIM 7.0	EC001413
ETIM 8.0	EC001413
UNSPSC 16.0901	43211501

Dimensional drawing APU (Application Processing Unit)



Dimensions in mm (inch)



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