Data sheet

NOVA

SIM2000-2AX4G10 Nova picomidi QI

SIM2x00

EDGE COMPUTING DEVICES

SICK
Sensor Intelligence.

Ordering information

Type	part no.
SIM2000-2AX4G10 Nova picomidi QI	1134353

Other models and accessories ➜ www.sick.com/SIM2x00

Detailed technical data

Features

Technology	2D snapshot
Product category	Configurable, programmable
Supported products	picoCam2 midiCam2
SensorApp	Nova pico/midiCam2
License included	Quality Inspection License
Expansion options	The SICK Nova Tool plug-in enables customer-specific or new tools to be added. Development and customization of the tools is supported by SICK AppSpace and SICK AppStudio.
License type	The software is provided as a device license. A license is bound to a specific hardware ID.
License period	The license is issued without a time limit.
Language	English, German, French, Italian, Spanish, Japanese, Korean, Chinese
Documentation	Operating instructions
Toolkit	SICK Nova

Mechanics/electronics

Connections	
I/O, Power, SERIAL, INC, Fieldbus, CAN, SENSOR S1-S6, Ethernet with PoE, USB	1 x M12, 8-pin female connector, A-coded, 1 x M12, 4-pin male connector, T-coded, 1 x M12, 8-pin female connector, A-coded, 1 x M12, 8-pin female connector, A-coded, 2 x M12, 4-pin female connector, D-coded, 1 x M12, 5-pin female connector, A-coded, M12, 5-pin female connector, A-coded, 4 x M12, 8-pin female connector, X-coded, 1 x Micro-B, Under the servicing panel
Power consumption	Typ. 45 W
Power output	140 W, total, all connections
Output current	
SENSOR S1-S4	≤ 1 A (on power supply pin)
SENSOR S5-S6	≤ 2.5 A (on power supply pin)
SENSOR S5-S6	≤ 3.2 A (≤ 10 kHz, rise time/fall time/delay < 10µs when power gate-API used)
CAN	≤ 1 A (on power supply pin)
SERIAL	≤ 0.5 A (on power supply pin)
INC	≤ 500 mA (on power supply pin)
I/O	On power supply pin

Electrical safety	EN 61010
Weight	1,995 g

Interfaces

Ethernet	✓ (4) , TCP/IP, FTP, OPC UA, MQTT
Type of fieldbus integration	GigE machine vision/GenICAM
Remark	Fieldbus ports, in preparation
Function	Configuration, image transmission, Data output, software updates
Data transmission rate	10/100/1,000/2,500 Mbit/s
PROFINET	✓ (2)
Remark	Fieldbus-Ports
Function	Dual port Ethernet-based fieldbus
Data transmission rate	10/100 MBit/s
EtherNet/IP™	✓ (2)
Remark	Fieldbus ports, in preparation
Function	Dual port Ethernet-based fieldbus
Data transmission rate	10/100 MBit/s
Expansion options	The SICK Nova Tool plug-in enables customer-specific or new tools to be added. Development and customization of the tools is supported by SICK AppSpace and SICK AppStudio.

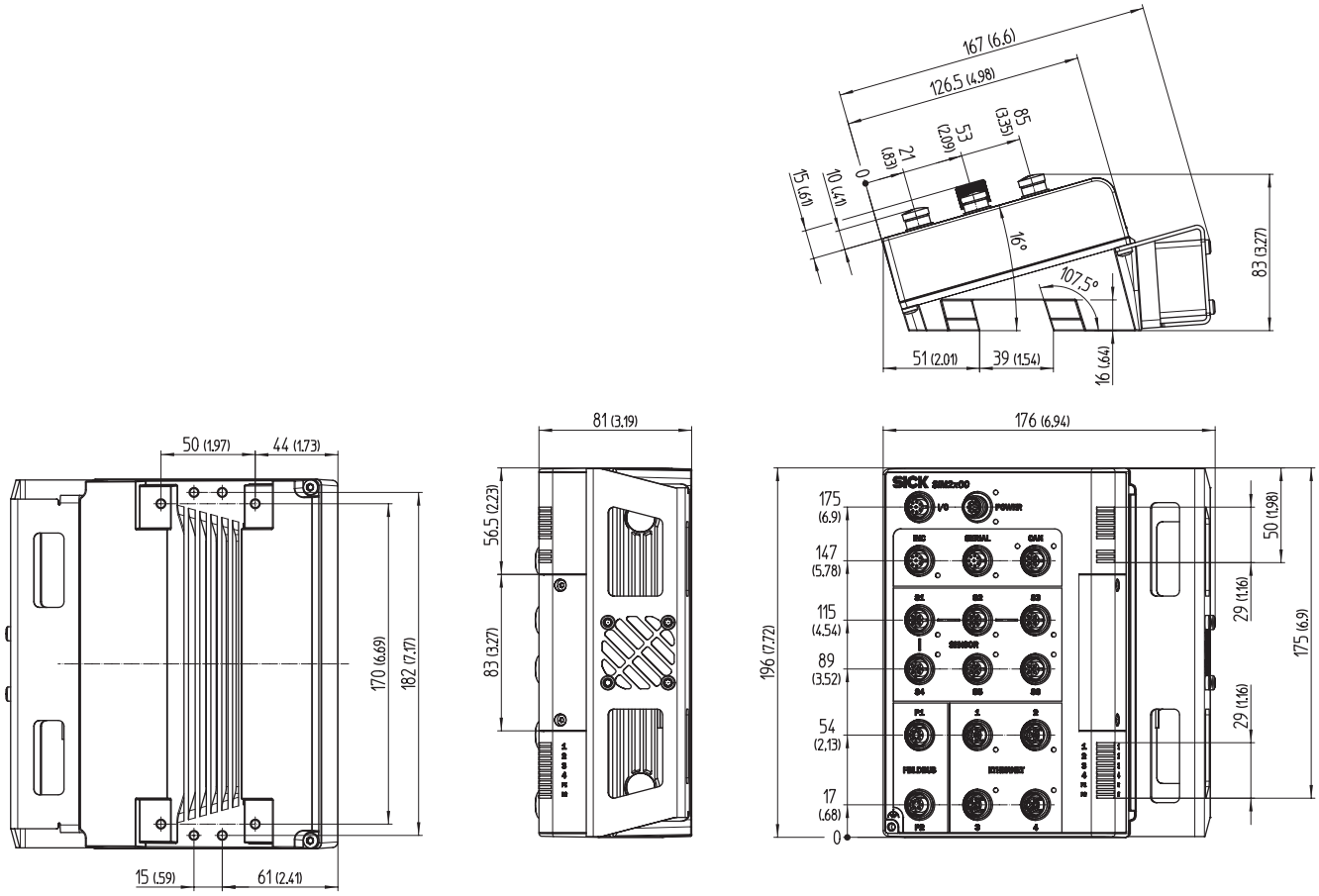
Ambient data

Electromagnetic compatibility (EMC)	IEC 61000-6-2:2016 EN IEC 61000-6-2:2019 IEC 61000-6-3:2020

Certificates

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

Dimensional drawing



Dimensions in mm (inch)

Overview SICK AppSpace

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