



# SID121

SID

DISPLAYS

**SICK**  
Sensor Intelligence.



Ordering information

Type	part no.
SID121	6082639

Other models and accessories → [www.sick.com/SID](http://www.sick.com/SID)



Detailed technical data

Features

<b>Supported products</b>	Programmable devices Devices with integrated web server
<b>Product category</b>	Programmable devices
<b>Processor</b>	quad-core, 1.6 GHz Arm® Cortex®-A53
<b>Random Access Memory</b>	8 GB eMMC Flash 4 GB RAM
<b>Documentation</b>	<a href="http://support.sick.com">support.sick.com</a>

Mechanics/electronics

<b>Display</b>		
	Size	12.1 "
	Resolution	1,280 dpi x 800 dpi
	Brightness	Typ. 400 cd/m <sup>2</sup>
	Service life of backlight	Typ. 50,000 h
	Viewing angle	88° (UDRL)
	Color	24 bit (16.7 million colors)
	Touch display	Projective capacitive multi-touch TFT
<b>Supply voltage</b>		18 V DC ... 32 V DC
<b>Power consumption</b>		Max. 21.5 W
<b>Enclosure rating</b>		Front side: IP66 Rear: IP20
<b>Weight</b>		+ 2,500 g
<b>Dimensions (W x H x D)</b>		302 mm x 229 mm x 51 mm
<b>Mounting system type</b>		Panel mounting, VESA mounting

Interfaces

<b>Ethernet</b>		✓
	Remark	RJ-45
	Function	1 x USB-C 3.0, 2 x USB-A 2.0
	Data transmission rate	480 Mbit/s ... 5 Gbit/s, 10/100/1000 Mbit/s

<b>USB</b>	Remark	✓ (3)
	Function	Please observe the notes in the operating instructions when using the interfaces. 1x COM (RS-232/422/485)
<b>Serial</b>	Function	✓ 1x COM (RS-232/422/485)
<b>Memory card</b>		1x microSD slot

#### Ambient data

<b>Ambient operating temperature</b>	-20 °C ... +50 °C
<b>Ambient temperature, storage</b>	-25 °C ... +60 °C
<b>Permissible relative humidity</b>	5 ... 85% RH Non-condensing

#### General notes

<b>Items supplied</b>	SID121 PCB connector Mounting brackets
<b>Note</b>	Silicone-free. Not free of paint wetting impairment substances.
<b>Operating system</b>	Linux Yocto

#### Certificates

<b>EU declaration of conformity</b>	✓
<b>UK declaration of conformity</b>	✓
<b>ACMA declaration of conformity</b>	✓
<b>China RoHS</b>	✓

#### Classifications

<b>ECLASS 5.0</b>	19200190
<b>ECLASS 5.1.4</b>	19200190
<b>ECLASS 6.0</b>	19200190
<b>ECLASS 6.2</b>	19200190
<b>ECLASS 7.0</b>	19200190
<b>ECLASS 8.0</b>	19200190
<b>ECLASS 8.1</b>	19200190
<b>ECLASS 9.0</b>	19200103
<b>ECLASS 10.0</b>	19200103
<b>ECLASS 11.0</b>	19200103
<b>ECLASS 12.0</b>	19200103
<b>ETIM 5.0</b>	EC001414
<b>ETIM 6.0</b>	EC001414
<b>ETIM 7.0</b>	EC001414
<b>ETIM 8.0</b>	EC001414
<b>UNSPSC 16.0901</b>	43211903

## 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](http://www.sick.com)