



# SID120

SID

DISPLAYS

**SICK**  
Sensor Intelligence.



Ordering information

Type	part no.
SID120	1098321

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>	i.MX6 Dual ARM Cortex - A9 with 1 GHz RTC Accuracy: +/- 30 ppm at 25 °C
<b>Random Access Memory</b>	4 GB eMMC Flash 1 GB RAM
<b>Documentation</b>	<a href="http://support.sick.com">support.sick.com</a>
<b>Further functions</b>	NEON for SMID media acceleration and VFP operation OpenGL ES 2.0 OpenVG 1.1

Mechanics/electronics

<b>Display</b>	Size	12.1 "
	Resolution	1,024 dpi x 768 dpi
	Brightness	Typ. 480 cd/m <sup>2</sup>
	Service life of backlight	Typ. 50,000 h
	Viewing angle	89° (UDRL)
		89°
	Color	24 bit (16.7 million colors)
	Touch display	Projective capacitive multi-touch
<b>Housing</b>	Front screen	4.0 mm toughened glass, RAL 9005 (black)
	Frame	Zinc alloy, Matt chrome-plated
	Rear view	Stainless steel 1.4016, foam seal
<b>Supply voltage</b>		13 V DC ... 32 V DC
<b>Power consumption</b>		Typ. 17 W ≤ 39.2 W
<b>Enclosure rating</b>		Front side: IP66

	Rear: IP20
<b>Protection class</b>	III
<b>Weight</b>	+ 2,700 g
<b>Dimensions (W x H x D)</b>	305.9 mm x 242.7 mm x 41 mm
<b>Mounting system type</b>	Panel mounting
<b>MTBF</b>	≥ 400,000 h

## Interfaces

<b>Ethernet</b>	✓ (2)
Remark	RJ-45
Function	Host (type A), OTG (Mico-AB type)
Data transmission rate	480 Mbit/s ... 5 Gbit/s, 10/100 MBit/s
<b>USB</b>	✓ (2)
Remark	Please observe the notes in the operating instructions when using the interfaces.
<b>Application development kit</b>	SICK AppStudio
<b>Memory card</b>	4 bit MMC/SDIO/SD/SDHC Included with delivery: Industry-compliant SD memory card, min. 4 GB

## Ambient data

<b>Electromagnetic compatibility (EMC)</b>	IEC 61000-6-4:2006+AMD1:2010 EN 61000-6-4:2007+A1:2011 IEC 61000-6-2:2016 (Industrial Environment)
<b>Ambient operating temperature</b>	-20 °C ... +60 °C
<b>Ambient temperature, storage</b>	-20 °C ... +70 °C
<b>Permissible relative humidity</b>	5 ... 90 % RH Non-condensing
<b>Altitude (above sea level)</b>	Max. 3,000 m

## General notes

<b>Items supplied</b>	SID120 SD memory card
<b>Note</b>	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

ECLASS 8.1	19200190
ECLASS 9.0	19200103
ECLASS 10.0	19200103
ECLASS 11.0	19200103
ECLASS 12.0	19200103
ETIM 5.0	EC001414
ETIM 6.0	EC001414
ETIM 7.0	EC001414
ETIM 8.0	EC001414
UNSPSC 16.0901	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)