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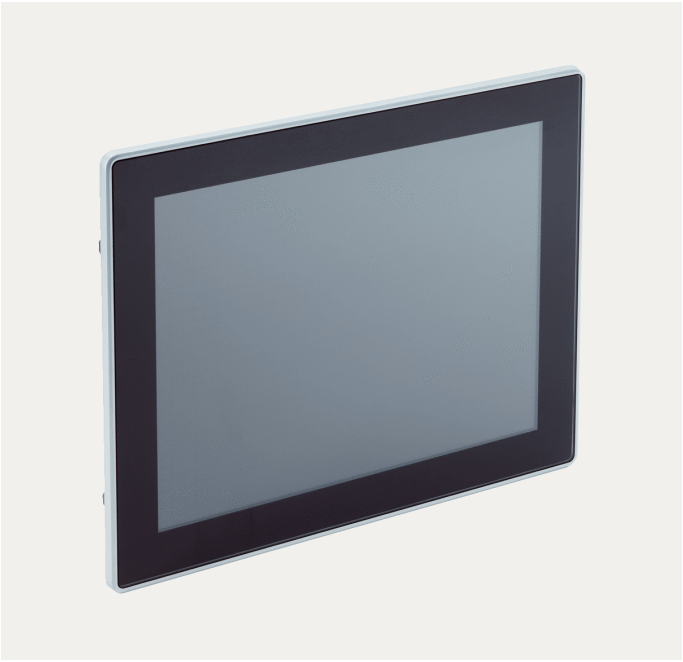


DATA SHEET

SID120

SID
Displays

SICK Sensor Intelligence



DISPLAYS

SID120

ORDERING INFORMATION

Type	part no.
SID120	1098321

Further device versions and accessories at www.sick.com/SID

DETAILED TECHNICAL DATA

FEATURES

Supported products	Programmable devices Devices with integrated web server
Product category	Programmable devices
Processor	i.MX6 Dual ARM Cortex - A9 with 1 GHz RTC Accuracy: +/- 30 ppm at 25 °C
Random Access Memory	4 GB eMMC Flash 1 GB RAM
Documentation	support.sick.com
Further functions	NEON for SMID media acceleration and VFP operation OpenGL ES 2.0 OpenVG 1.1

MECHANICS/ELECTRONICS

Display	
Size	12.1 ″
Resolution	1,024 dpi x 768 dpi
Brightness	Typ. 480 cd/m²
Service life of backlight	Typ. 50,000 h
Viewing angle	89° (UDRL) 89°
Color	24 bit (16.7 million colors)
Touch display	Projective capacitative multi-touch
Housing	
Front screen	4.0 mm toughened glass, RAL 9005 (black)
Frame	Zinc alloy, Matt chrome-plated
Rear view	Stainless steel 1.4016, foam seal
Supply voltage	13 V DC ... 32 V DC
Power consumption	Typ. 17 W ≤ 39.2 W
Enclosure rating	Front side: IP66 Rear: IP20

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

INTERFACES

Ethernet	✓ (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
USB	✓ (2)
Remark	Please observe the notes in the operating instructions when using the interfaces.
Application development kit	SICK AppStudio
Memory card	4 bit MMC/SDIO/SD/SDHC Included with delivery: Industry-compliant SD memory card, min. 4 GB

AMBIENT DATA

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

GENERAL NOTES

Items supplied	SID120 SD memory card
Note	Not free of paint wetting impairment substances.
Operating system	Linux Yocto

CERTIFICATES

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

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/1098321

SICK AG
WALDKIRCH
GERMANY
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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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