



SID120

SID

DISPLAYS

SICK
Sensor Intelligence.



Ordering information

| Type | part no. |
|--------|----------|
| SID120 | 1098321 |

Other models and accessories → 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/m ² | |
| | 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 | |
| | 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 | | |

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|-------------------------------|-----------------------------|
| | 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

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|------------------------------------|--|
| 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

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|--|--|
| 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

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

Classifications

| | |
|---------------------|----------|
| ECLASS 5.0 | 19200190 |
| ECLASS 5.1.4 | 19200190 |
| ECLASS 6.0 | 19200190 |
| ECLASS 6.2 | 19200190 |
| ECLASS 7.0 | 19200190 |
| ECLASS 8.0 | 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 |

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|-----------------------|----------|
| ETIM 6.0 | EC001414 |
| ETIM 7.0 | EC001414 |
| ETIM 8.0 | EC001414 |
| UNSPSC 16.0901 | 43211903 |

Certificates

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

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