



# HAND-HELD SCANNERS

THE BEST SOLUTION HANDS DOWN

IDM12x, IDM14x, IDM16x, IDM24x, IDM26x

**SICK**  
Sensor Intelligence.

# THE BEST SOLUTION HANDS DOWN



## GENERAL PURPOSE: SIMPLE TO UNDERSTAND AND EVEN EASIER TO GRASP

Whether in the product pick-up shelves at an international Swedish furniture giant. At the lottery counter hoping for the giant jackpot. In the university clinic or the university library. Hand-held scanners are everywhere – in retail stores, in offices and even in laboratories. And since there is generally no getting around SICK when it comes to scanners, we have extended our range of general-purpose hand-held scanners.

A process might call for manual scanning – however, integrating a SICK hand-held scanner means you are also using your brain. Reliable and uncomplicated code reading, well-lit easy to read LED display, low weight and a stable housing. All models are also handy when it comes to ergonomic comfort.

The scanners offer flexibility thanks to Bluetooth capability. And the WIFI model with a color display is only available from SICK. We promise: there is no more clever way of getting a grip on code reading!



## INDUSTRIAL: PROGRESS YOU CAN GRIP. AND DROP.

Error-free performance and robustness are also a must when it comes to hand-held scanners. So you can imagine that the engineers from SICK have had their hands full lately. To give you a SICK hand-held scanner for demanding industrial use. So you have to worry even less about code reading compatibility, reliability and operation in future.

For you, this means having SICK quality directly at your fingertips: capable of being integrated into all industrial fieldbusses. For all standard codes. Compact, extremely robust and shock-proof to withstand the knocks of industrial everyday life. Fast and easy to configure. Consistent reads. Well-lit, easy to read LED display. Beeper and vibration signals for loud environments. No tools needed for cable or battery changing.

Also via Bluetooth to offer you a maximum of flexibility. And even as a WIFI model – the only on the market. Which gets you ahead hands down.

# GENERAL PURPOSE: RELIABLE CODE READING HAS NEVER BEEN MORE CONVENIENT



## At points of sale:

- Designed for contact and close-range detection, providing flexible operation
- Low-cost solution for identifying various code sizes
- High degree of user comfort thanks to ergonomic housing, light weight, and optional presentation mode



## In office automation and document handling:

- Very high productivity thanks to high reading speed
- Reliable identification even of poorly printed bar codes removes the need to enter data manually



## For the reading of sample bar codes in clinical analysis:

- Only one device for a wide range of different code types
- Fast and accurate identification without manual data entry



## For the identification of patients in hospitals:

- Very high level of process reliability thanks to direct interaction between user and network
- Access to patient information from databases in real time
- Simple integration thanks to direct communication with the WIFI network removes the need for additional wireless base station

# INDUSTRIAL: TANGIBLE BENEFITS TO INCREASE YOUR FLEXIBILITY



## For data collection in production:

- Traceability of products and processes through reliable code identification
- High levels of precision thanks to industrial enclosure rating IP 65 and rugged housing



## For the identification of tires in factory automation:

- Only one device for a wide range of different code types
- Fast and accurate identification without manual data entry
- High levels of precision thanks to industrial enclosure rating IP 65 and rugged housing



## For reading directly marked codes:

- Low contrast or highly reflective DPM codes are recognized safely
- Simple and flexible integration into industrial fieldbus networks using SICK connectivity



## For the identification of pallets in logistics automation:

- Simple product management through bidirectional WIFI communication with databases
- Color display to indicate process and product information

# AT HAND: ALL THE HAND-HELD SCANNERS YOUR HEART DESIRES


For anyone who has their work cut out reading code, SICK now offers a complete range of hand-held scanners, so you can choose the right device for every requirement. Select the appropriate model:





Offices, sales, and clean environments

What type of code should be read?

- 1D codes
- 1D codes + stacked codes
- 1D codes + stacked codes + 2D codes

1D  


2D  


Stacked  



WHERE WILL THE HAND-HELD SCANNER BE USED?





Noisy, dusty, and harsh environments


What type of code should be read?

- 1D codes
- 1D codes + stacked codes
- 1D codes + stacked codes + 2D codes
- directly marked codes

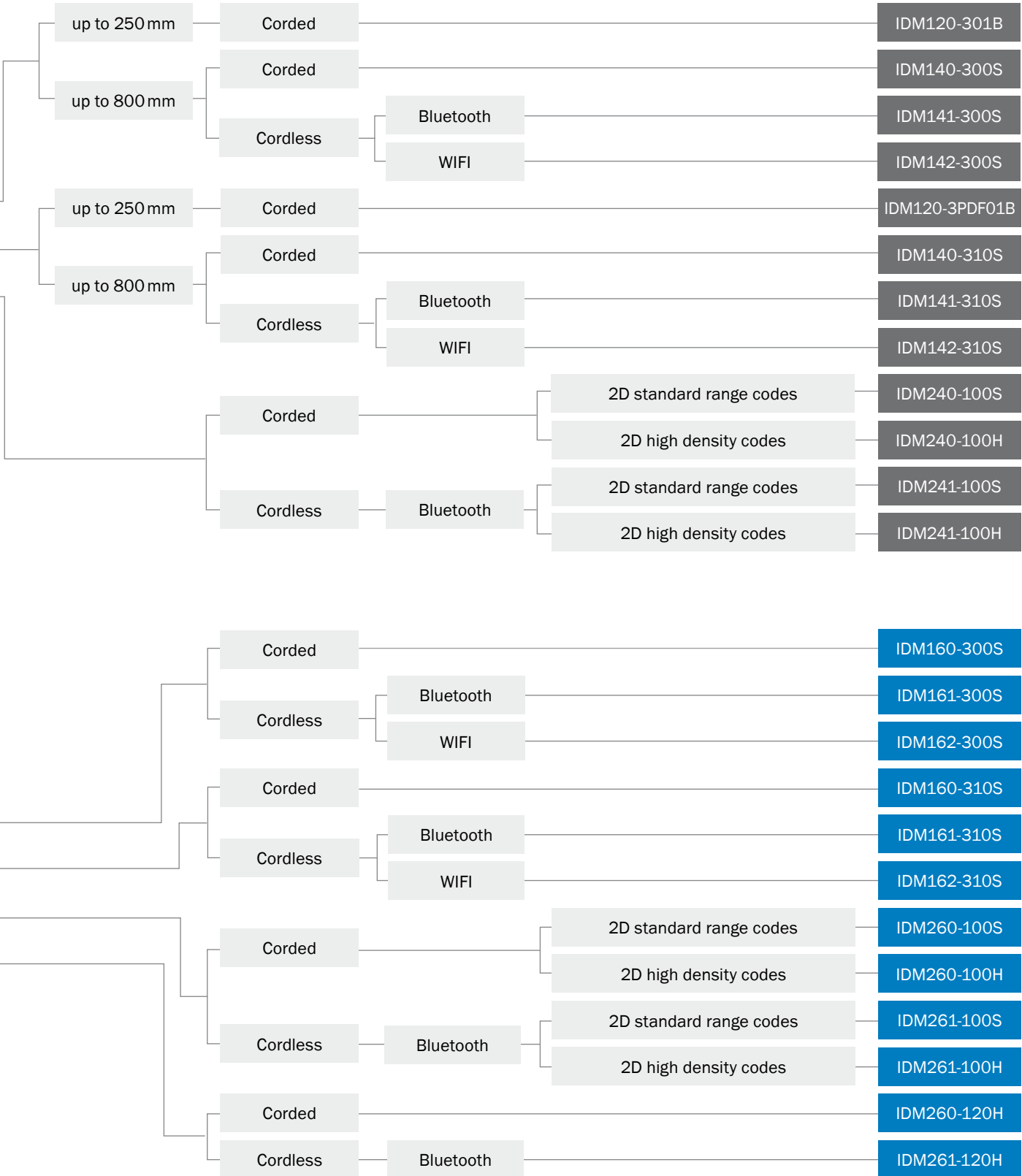
1D  


2D  


Stacked  


DPM  
Dot Peen  


Reading distance

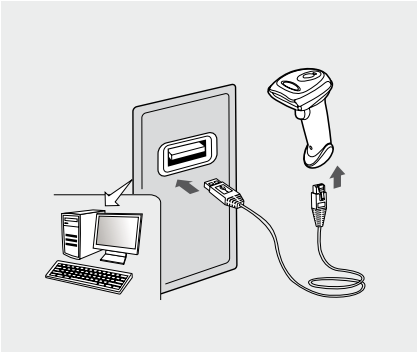


# SICK HAND-HELD SCANNERS – THE BEST WAY TO MAKE YOUR CONNECTION

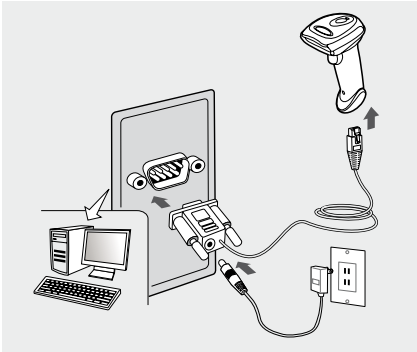


## CONNECTIONS TO PC INTERFACES

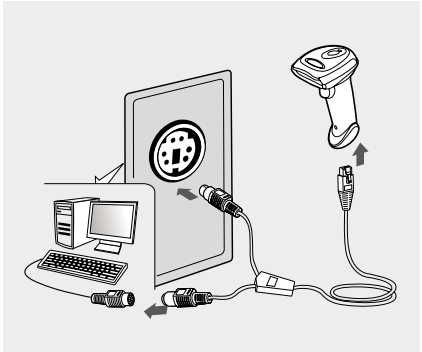
- Direct connection to PC interfaces such as USB or RS-232
- Connection via PS/2



Connection via USB



Connection via RS-232  
(requires a power supply unit or voltage via pin 9)



Connection via PS/2





## INTEGRATION INTO INDUSTRIAL NETWORKS

- Modular connectivity enables integration into many fieldbus technologies: PROFIBUS DP, PROFINET IO, Ethernet TCP/IP, EtherCAT, DeviceNet
- Networking with fixed 1D scanners and 2D cameras, and RFID reading devices (AUX connectivity)

### Your benefits:

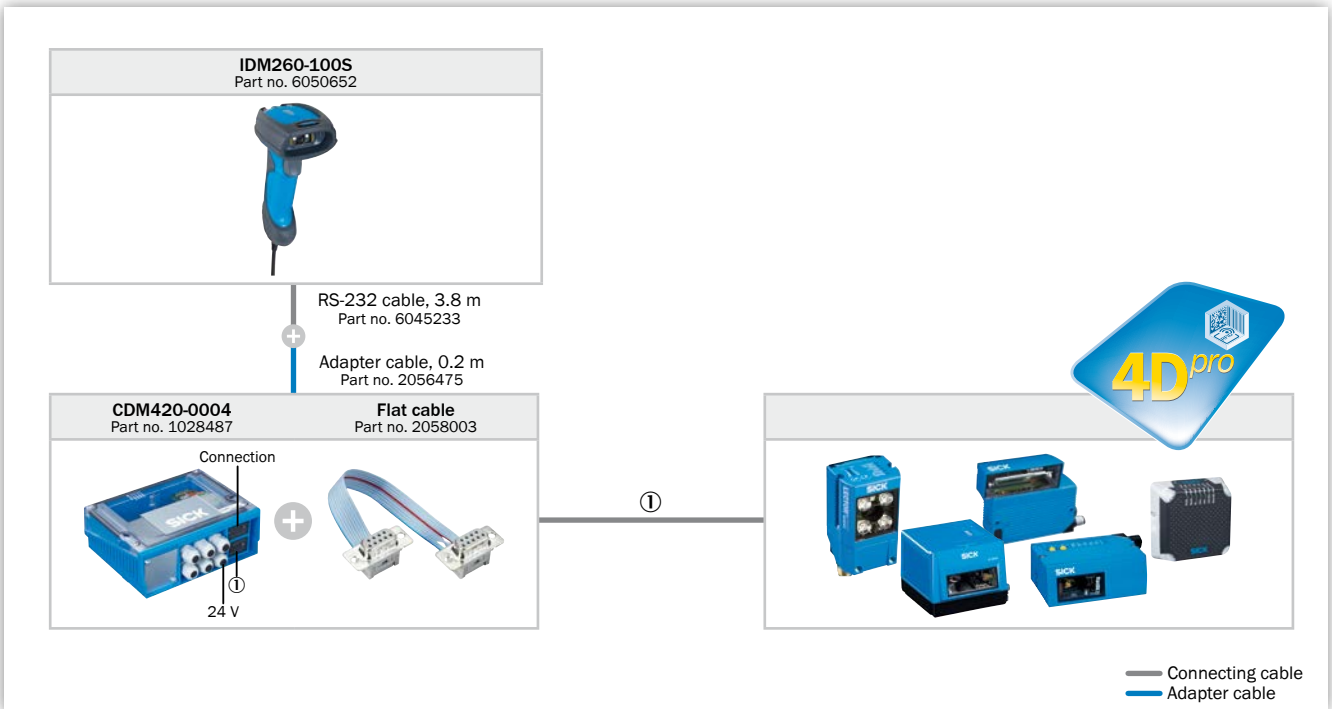
- Simple commissioning
- Significantly reduced integration effort
- Standardized connectivity ensures problem-free integration into existing SICK identification networks
- SICK is your system supplier for complete identification solutions

## MODULAR CONNECTORS ALL FROM A SINGLE SOURCE

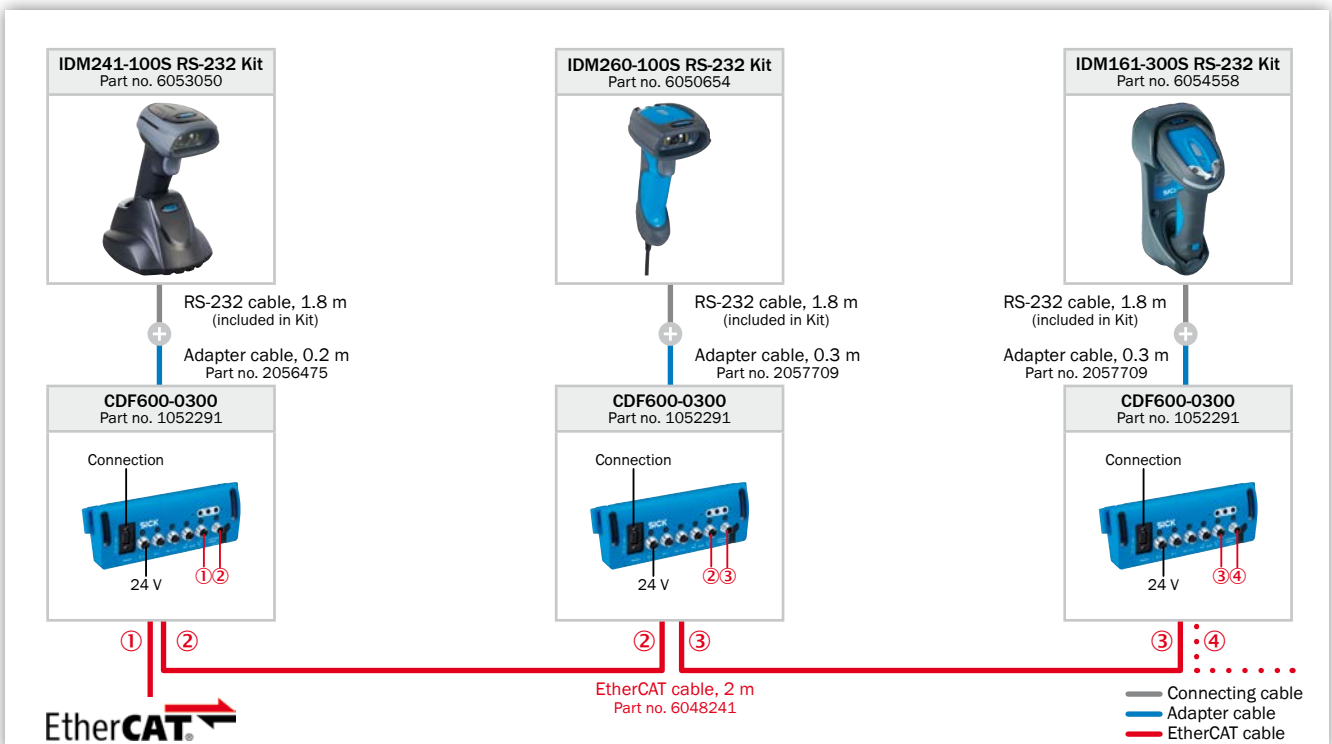
The ability to network auto-ID sensors is becoming particularly important in the light of demands for cost-effective solutions. SICK has the tools to stand up to this challenge and offers a product portfolio that is perfect for fieldbus systems.

It gives you the freedom to select the identification technology you require, and enables flexible connection to numerous fieldbus technologies with very little cabling work.

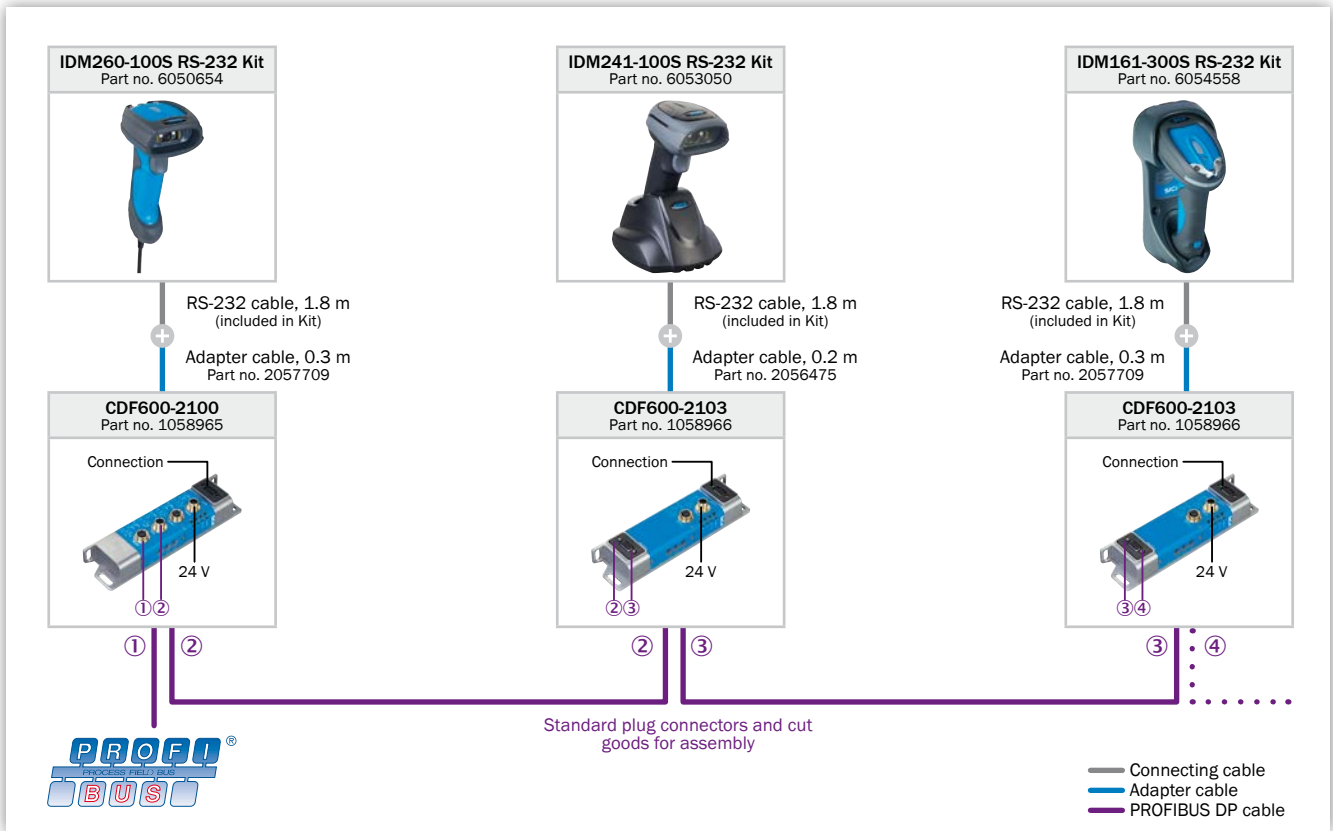
### Looping-in via AUX



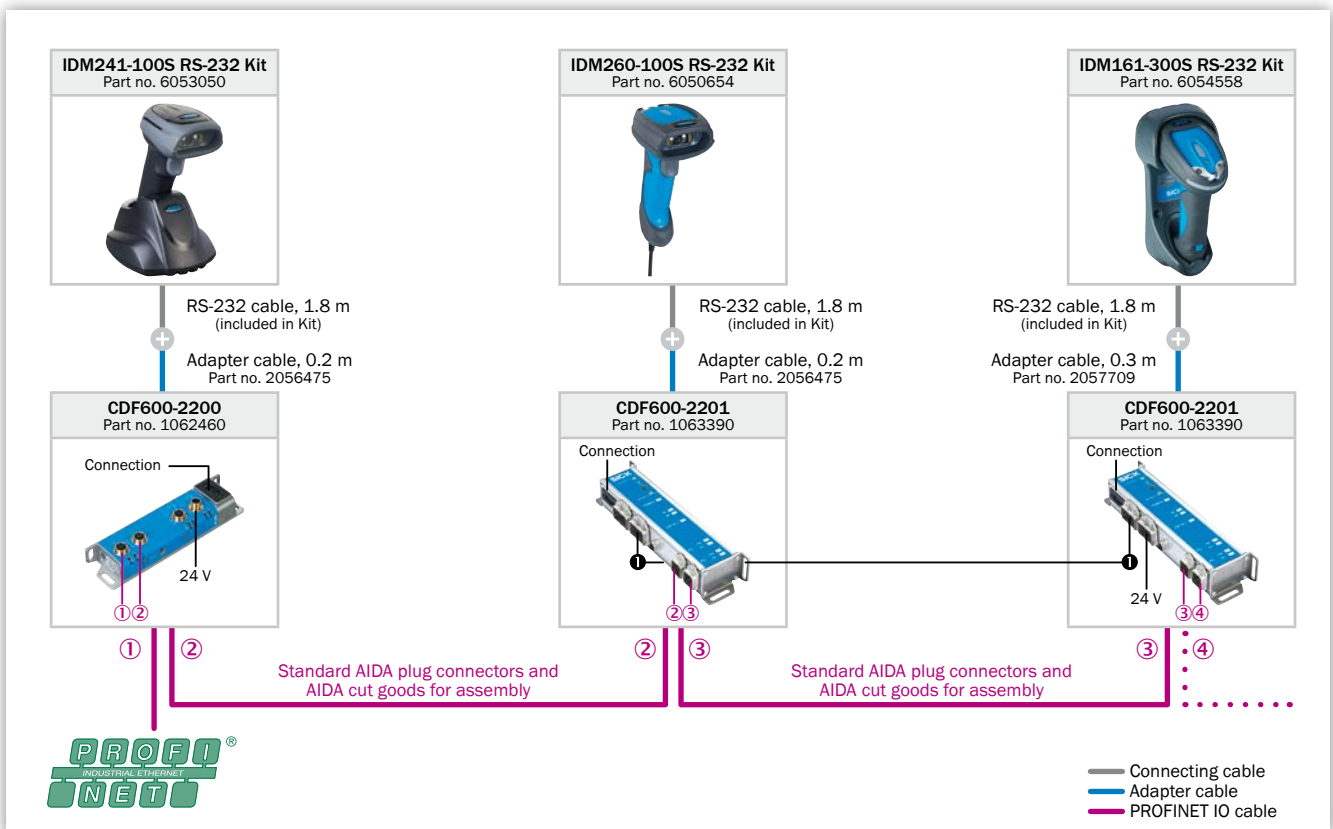
### EtherCAT



## PROFIBUS DP



## PROFINET IO



DeviceNet



Ethernet TCP/IP



# HAND-HELD SCANNER OVERVIEW


■ = applicable

□ = optional


	Supported code type				Field of application		Design			Page
	1D	Stacked	2D	2D DPM	General Purpose	Industrial	Corded	Bluetooth	WIFI	
<b>IDM12x</b>										
IDM120 Corded	■	□			■		■			→ 14
<b>IDM14x</b>										
IDM140 Corded	■	□			■		■			→ 18
IDM141 Bluetooth	■	□			■			■		→ 18
IDM142 WIFI	■	□			■				■	→ 18
<b>IDM16x</b>										
IDM160 Corded	■	□				■	■			→ 22
IDM161 Bluetooth	■	□				■		■		→ 22
IDM162 WIFI	■	□				■			■	→ 22
<b>IDM24x</b>										
IDM240 Corded	■	■	■		■		■			→ 28
IDM241 Bluetooth	■	■	■		■			■		→ 28
<b>IDM26x</b>										
IDM260 Corded	■	■	■	□		■	■			→ 34
IDM261 Bluetooth	■	■	■	□		■		■		→ 34

# THE ENTRY LEVEL SCANNER


General Purpose





1D



Stacked







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## Product description

The IDM12x is a cost-effective, flexible introductory model in the IDM1xx hand-held scanner series. The IDM12x is more than just a contact scanner compared to similar products. It can also identify bar codes up to 25 cm away and up to 120 mm wide. A scan rate of 300 scans per second not only reduces the required scan time but also increases throughput. The ergonomic design, its light weight of just 106 g, and various presentation modes make this device a top choice for users. The scanner

meets enclosure rating IP 41 and can withstand multiple drops from a medium height. The device can be easily integrated into existing systems thanks to the variety of interfaces it supports, such as PS/2, USB, and RS-232. The combination of performance, durability, ease of use, and low cost make the IDM12x a great choice with the flexibility to carry out various simple tasks in fields such as point-of-sales, clinical analysis, and general office automation.

## At a glance

- Reading at contact and distances up to 25 cm
- Identification of all popular 1D codes, with PDF version, also stacked codes
- Scan rate up to 300 scans/second
- Withstands 25 drops from 1.5 m height
- Extremely lightweight, only 106 g
- Connection as PS/2 and USB keyboard wedge, serial USB or via RS-232 TTL
- IP 41 enclosure rating

## Your benefits

- Designed for contact and close-range detection, providing flexible operation
- Increased productivity thanks to short scan time
- Low-cost solution for identifying various code sizes
- High degree of user comfort thanks to ergonomic housing, light weight and optional presentation mode
- The most popular industrial interfaces allow flexible connectivity to PS/2, USB and RS-232 TTL, for example
- Reliable identification reduces the need to manually input data

→ [www.mysick.com/en/IDM12x](http://www.mysick.com/en/IDM12x)

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



## Detailed technical data

## Features

<b>Scanner design</b>	1D code hand-held scanner
<b>Light source</b>	Visible red light (660 nm)
<b>Scanning frequency</b>	≤ 300 Hz
<b>Code resolution</b>	0.1 mm
<b>Reading distance</b>	0 mm ... 400 mm <sup>1)</sup>

<sup>1)</sup> For details see reading field diagram.

## Performance

<b>Bar code types</b>	Code 39, Code 32, HIBC, Code 93, Code 11, Codabar, Code 128, UCC/EAN-128, UPC-A, UPC-E, MSI/Plessey, UK/Plessey, IATA, Standard and Industrial 2 of 5, Matrix 2 of 5, Interleaved 2 of 5, Mainland China Postal Code, German ITF Postal Code, Telepen, Limited/Expanded GS1 DataBar, Code 39 Trioptic, IATA, UPC / EAN / JAN (with addition)
<b>Stacked code types</b>	PDF417, MicroPDF417, Composite, Codablock (depending on type)

## Interfaces

<b>Serial</b>	Function	✓ RS-232 TTL
<b>Ethernet</b>	Protocol	✓, optional via external connection or fieldbus module TCP/IP (optional via external connection module CDM + CMF), PROFINET (optional via external connection module CDF600-2), EtherCAT (optional via external connection module CDF600)
<b>PROFIBUS DP</b>		✓, optional via external connection module (CDF600-2)
<b>DeviceNet</b>		✓, optional via external connection module (CDM + CMF)
<b>PS/2</b>	Function	✓ Keyboard wedge
<b>USB</b>	Function	✓ Keyboard wedge, USB serial
<b>Optical indicators</b>		1 LED (good read)
<b>Acoustic indicators</b>		Beeper, disengageable
<b>Vibration</b>		No
<b>Configuration software</b>		IDM Setup Tool

## Mechanics/electronics

<b>Operating voltage</b>	5 V DC, ± 5 %
<b>Current consumption</b>	Operation: typ. 170 mA Standby: typ. 75 mA
<b>Housing color</b>	Black
<b>Enclosure rating</b>	IP 41
<b>Weight</b>	106 g
<b>Dimensions</b>	165 mm x 64.7 mm x 38.7 mm

## Ambient data

<b>Shock resistance</b>	25 drops from 1.5 m height on concrete
<b>Ambient operating temperature</b>	0 °C ... +50 °C
<b>Storage temperature</b>	-20 °C ... +60 °C
<b>Permissible relative humidity</b>	± 95 %, non-condensing
<b>Ambient light safety</b>	80,000 lx

Ordering information

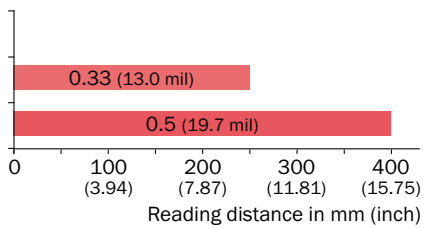
- **Sub product family:** IDM120 Corded
- **Field of application:** General Purpose
- **Version:** Standard Range

Items supplied	Supported code type	Included in delivery	Model name	Part no.
Single scanner	1D, Stacked	-	IDM120-3PDF01B	6050063
	1D	-	IDM120-301B	6050059
Kit	1D	6036726 Connection cable 6050059 IDM120-301B	IDM120-3 PS/2 Kit	6050057
		6041540 Connection cable 6050059 IDM120-301B	IDM120-3 RS-232 Kit	6050058
		6050058 IDM120-3 RS-232 Kit 6036722 Power supply unit	IDM120-3 RS-232 Power Kit	1061156
		6036728 Connection cable 6050059 IDM120-301B	IDM120-3 USB Kit	6050056

Reading field diagrams

IDM120-3 Standard Range

Code resolution in mm (mil)



Recommended accessories

Mounting systems


Other mounting accessories

	Brief description	Model name	Part no.
	Desk holder	Table mount	6036723
	Tripod mount	Tripod mount	6036724

Connection systems


Plug connectors and cables

- **Signal type/application:** USB

	Connection type head A	Connection type head B	Cable	Cable length	Model name	Part no.
	Male connector, USB-A	Male connector, RJ45	Straightened cable, for keyboard wedge or USB Com Port Emulation	1.8 m	Connection cable	6036728



## Power supply units and power cord connectors

	Brief description	Model name	Part no.
	Power supply, input AC 100 ... 240 V, output DC 5 V/2 A (necessary when using RS-232 TTL cable, does not fulfill medical standard EN 60601/ IEC 60601))	Power supply unit	6036722

→ For additional accessories, please see page 39

# VERSATILITY MADE EASY – FROM HIGH DENSITY TO STANDARD RANGE CODES



## Product description

IDM14x offers high flexibility. The device is able to read all popular 1D bar codes but also stacked codes such as PDF417. Ergonomic design and low weight makes it comfortable to work with IDM14x scanners. For more mobility wireless Bluetooth or WLAN versions are available. All versions have a linear imaging

sensor integrated able to read in up to 850 mm distance. Badly printed or damaged codes are no problem anymore. The IDM14x series combines reading performance and flexible choice of corded and cordless versions. It helps solving various tasks inside office, factory or logistics automation.

## At a glance

- Reading distance up to 850 mm
- Identifies all popular linear bar codes
- Scan rate up to 500 scans/second
- Withstands 24 drops from 1.8 m height
- Highly visible scan line
- IP 41 enclosure rating

## Your benefits

- Increased productivity thanks to high scan rate
- Reliable identification reduces the need to manually input data
- Lightweight, ergonomic design ensures user comfort
- Highly dependable thanks to rugged housing and non-moving parts
- Easy targeting with highly visible scan line for correct aiming



## Additional information

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 Reading field diagrams . . . . .21  
 Recommended accessories . . . . .21

→ [www.mysick.com/en/IDM14x](http://www.mysick.com/en/IDM14x)

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



## Detailed technical data

## Features

<b>Scanner design</b>	1D code hand-held scanner
<b>Light source</b>	Visible red light (630 nm)
<b>Scanning frequency</b>	≤ 500 Hz
<b>Code resolution</b>	≥ 0.076 mm
<b>Reading distance</b>	20 mm ... 850 mm <sup>1)</sup>

<sup>1)</sup> For details see reading field diagram.

## Performance

	IDM140 Corded	IDM141 Bluetooth	IDM142 WIFI
<b>Bar code types</b>	Codabar, Code 39, Code 32, UPC-A, UPC-E, Standard and Industrial 2 of 5, Interleaved & Matrix 2 of 5, Code 128, UCC/EAN-128, Code 11, Code 93, German ITF Postal Code, Mainland China Postal Code, Telepen, MSI/Plessey, UK/Plessey, Limited/Expanded GS1 DataBar, Code 39 Trioptic, IATA, UPC / EAN / JAN (with addition)		
<b>Stacked code types</b>	PDF417, MicroPDF417, Composite, Codablock (depending on type)		
<b>Battery power</b>	-	Over 60,000 scans with full battery	Over 20,000 scans with full battery
<b>Code buffer</b>	-	80,000 Codes (EAN)	-

## Interfaces

	IDM140 Corded	IDM141 Bluetooth	IDM142 WIFI
<b>Serial</b>	✓		-
Function	RS-232 TTL		-
<b>Ethernet</b>	✓, optional via external connection or fieldbus module		-
Protocol	TCP/IP (optional via external connection module CDM + CMF), PROFINET (optional via external connection module CDF600-2), EtherCAT (optional via external connection module CDF600)		-
<b>PROFIBUS DP</b>	✓, optional via external connection module (CDF600-2)		-
<b>DeviceNet</b>	✓, optional via external connection module (CDM + CMF)		-
<b>PS/2</b>	✓		-
Function	Keyboard wedge		-
<b>USB</b>	✓		-
Function	Keyboard wedge, COM-Port emulation		-
<b>Bluetooth</b>	-	✓	-
Function		Wireless operating range up to 100 m (free view), batch function for expansion of the wireless radius, up to seven scanners communicate with one base station	-
Protocol	-	Bluetooth™ V4.0, 2.402 ... 2.4830 GHz	-
<b>WIFI</b>			✓
Protocol	-		IEEE 802.11 b/g
<b>Encryption (WLAN)</b>	-		WEP, WPA, WPA2
<b>Optical indicators</b>	2 LEDs (operational status, good read)	2 LEDs (good read, charge of battery, radio connection status)	2 LEDs (color-display)
<b>Acoustic indicators</b>	Beeper, disengageable		
<b>Vibration</b>	No		
<b>Configuration software</b>	IDM Setup Tool		IDM WLAN setup tool

**Mechanics/electronics**

	IDM140 Corded	IDM141 Bluetooth	IDM142 WIFI
<b>Operating voltage</b>	5 V DC, ± 10 %		3.7 V DC <sup>1)</sup>
<b>Current consumption</b>	Operation: typ. 180 mA Standby: typ. 80 mA		Operation: typ. 495 mA Standby: typ. 195 mA
<b>Housing color</b>	Black/gray		
<b>Enclosure rating</b>	IP 41		
<b>Weight</b>	157 g, without cable	230 g, incl. rechargeable battery	211 g, incl. rechargeable battery
<b>Dimensions</b>	98 mm x 71 mm x 157 mm	97.8 mm x 70.5 mm x 156.2 mm	95 mm x 70.5 mm x 160.5 mm

<sup>1)</sup> Rechargeable battery operation.

**Ambient data**

	IDM140 Corded	IDM141 Bluetooth	IDM142 WIFI
<b>Shock resistance</b>	24 drops from 1.8 m height on concrete		
<b>Ambient operating temperature</b>	-10 °C ... +50 °C	0 °C ... +50 °C	-10 °C ... +50 °C
<b>Storage temperature</b>	-40 °C ... +70 °C		
<b>Permissible relative humidity</b>	± 95 %, non-condensing		
<b>Ambient light safety</b>	100,000 lx		

**General notes**

	IDM140 Corded	IDM141 Bluetooth	IDM142 WIFI
<b>Items supplied</b>	-	The battery is included in delivery	

**Ordering information**

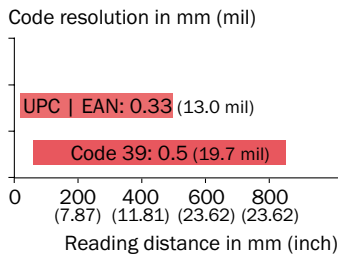
- **Field of application:** General Purpose
- **Version:** Standard Range

Sub product family	Items supplied	Supported code type	Included in delivery	Model name	Part no.
IDM140 Corded	Single scanner	1D	-	IDM140-300S	6054538
		1D, Stacked	-	IDM140-310S	6054541
	Kit	1D	6041540 Connection cable 6054538 IDM140-300S	IDM140-300S RS-232 Kit	6054540
			6041540 Connection cable 6054538 IDM140-300S 6036722 Power supply unit 6036728 Connection cable 6054538 IDM140-300S	IDM140-300S RS-232 Power Kit IDM140-300S USB Kit	1070948 6054539
IDM141 Bluetooth	Single scanner	1D	-	IDM141-300S	6054550
		1D, Stacked	-	IDM141-310S	6054553
	Kit	1D	6041540 Connection cable 6053628 Base station 6054550 IDM141-300S 6036722 Power supply unit	IDM141-300S RS-232 Kit	6054552
			6036728 Connection cable 6053628 Base station 6054550 IDM141-300S 6036722 Power supply unit	IDM141-300S USB Kit	6054551
			6053628 Base station 6054553 IDM141-310S 6036722 Power supply unit	IDM141-310S Basic Kit	6054792

Sub product family	Items supplied	Supported code type	Included in delivery	Model name	Part no.
IDM142 WIFI	Single scanner	1D	-	IDM142-300S	6054562
		1D, Stacked	-	IDM142-310S	6054564
	Kit	1D	6036728 Connection cable 6054562 IDM142-300S 6041266 Charging station 6036722 Power supply unit	IDM142-300S USB Kit	6054563
		1D, Stacked	6036728 Connection cable 6054564 IDM142-310S 6041266 Charging station 6036722 Power supply unit	IDM142-310S USB Kit	6054565

### Reading field diagrams

IDM14x-3xxS Standard Range  
IDM16x-3xxS Standard Range



### Recommended accessories

#### Mounting systems


Other mounting accessories

	Brief description	Model name	Part no.
	Desk holder	Table mount	6036723
	Tripod mount	Tripod mount	6036724


#### Connection systems

Plug connectors and cables

- **Signal type/application:** USB


	Connection type head A	Connection type head B	Cable	Cable length	Model name	Part no.
	Male connector, USB-A	Male connector, RJ45	Straightened cable, for keyboard wedge or USB Com Port Emulation	1.8 m	Connection cable	6036728


Power supply units and power cord connectors


	Brief description	Model name	Part no.
	Power supply, input AC 100 ... 240 V, output DC 5 V/2 A (necessary when using RS-232 TTL cable, does not fulfill medical standard EN 60601/ IEC 60601))	Power supply unit	6036722

→ For additional accessories, please see page 39


# INDUSTRIAL MOBILE RELIABILITY

Industrial  


1D  


Stacked  






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## Product description

The IDM16x offers high performance barcode reading with its rugged, industrial, and ergonomic housing. The IP 65 enclosure rating ensures protection against dust and water jets. It can withstand 50 drops from 2 m on concrete. Its ergonomic design and low weight as well as quick integration in

common industrial networks guarantee maximum user comfort. Thanks to Bluetooth and WLAN version, flexibility and mobility is guaranteed. The IDM16x series is the ideal choice to increase productivity within industrial factory and logistics automation applications.

## At a glance

- Identification of all popular 1D codes, with PDF version also stacked codes
- Compact housing with up to IP 65 withstanding 50 drops from 2 m on concrete
- Good read feedback via LED, beeper and vibrator
- Supports all popular corded and cordless interfaces as well as industrial fieldbuses via SICK connectivity
- Tool-free exchange of cable and battery
- Corded and cordless versions available

## Your benefits

- Increased productivity and throughput thanks to fast and reliable identification
- Reduced costs thanks to 2-in-1 scan engine: covering standard and high-density codes with a single device
- High reliability thanks to industrial grade and rugged housing
- Intuitive good read feedback for noisy industrial environment via vibration, beeper and LED
- Higher user comfort through ergonomic housing design, well balanced and light weight
- High flexibility and operator mobility with corded and cordless versions
- Quick integration in most corded and cordless PC or industrial networks

→ [www.mysick.com/en/IDM16x](http://www.mysick.com/en/IDM16x)

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



## Detailed technical data

## Features

<b>Scanner design</b>	1D code hand-held scanner
<b>Light source</b>	Visible red light (630 nm)
<b>Scanning frequency</b>	≤ 500 Hz
<b>Code resolution</b>	≥ 0.076 mm
<b>Reading distance</b>	20 mm ... 850 mm <sup>1)</sup>

<sup>1)</sup> For details see reading field diagram.

## Performance

	IDM160 Corded	IDM161 Bluetooth	IDM162 WIFI
<b>Bar code types</b>	Codabar, Code 39, Code 32, UPC-A, UPC-E, Standard and Industrial 2 of 5, Interleaved & Matrix 2 of 5, Code 128, UCC/EAN-128, Code 11, Code 93, German ITF Postal Code, Mainland China Postal Code, Telepen, MSI/Plessey, UK/Plessey, Limited/Expanded GS1 DataBar, Code 39 Trioptic, IATA, UPC / EAN / JAN (with addition)		
<b>Stacked code types</b>	PDF417, MicroPDF417, Composite, Codablock (depending on type)		
<b>Battery power</b>	-	Over 60,000 scans with full battery	Over 20,000 scans with full battery
<b>Code buffer</b>	-	80,000 Codes (EAN)	-

## Interfaces

	IDM160 Corded	IDM161 Bluetooth	IDM162 WIFI
<b>Serial</b>	✓		-
Function	RS-232 TTL		-
<b>Ethernet</b>	✓, optional via external connection or fieldbus module		-
Protocol	TCP/IP (optional via external connection module CDM + CMF), PROFINET (optional via external connection module CDF600-2), EtherCAT (optional via external connection module CDF600)		-
<b>PROFIBUS DP</b>	✓, optional via external connection module (CDF600-2)		-
<b>DeviceNet</b>	✓, optional via external connection module (CDM + CMF)		-
<b>PS/2</b>	✓		-
Function	Keyboard wedge		-
<b>USB</b>	✓		-
Function	Keyboard wedge, COM-Port emulation		-
<b>Bluetooth</b>	-	✓	-
Function		Wireless operating range up to 100 m (free view), batch function for expansion of the wireless radius, up to seven scanners communicate with one base station	-
Protocol	-	Bluetooth™ V4.0, 2.402 ... 2.4830 GHz	-
<b>WIFI</b>	-		✓
Protocol	-		IEEE 802.11 b/g
<b>Optical indicators</b>	2 LEDs (operational status, good read)	2 LEDs (good read, charge of battery, radio connection status)	2 LEDs (color-display)
<b>Acoustic indicators</b>	Beeper, disengageable		
<b>Vibration</b>	Yes		
<b>Configuration software</b>	IDM Setup Tool		IDM WLAN setup tool

Mechanics/electronics

	IDM160 Corded	IDM161 Bluetooth	IDM162 WIFI
<b>Operating voltage</b>	5 V DC, ± 10 %		3.7 V DC <sup>1)</sup>
<b>Current consumption</b>	Operation (vibration activated): typ. 230 mA Operation (vibration deactivated): typ. 180 mA Standby: typ. 80 mA		Operation: typ. 495 mA Standby: typ. 195 mA
<b>Housing color</b>	Blue, gray		
<b>Enclosure rating</b>	IP 65		IP 64
<b>Weight</b>	208 g, without cable	220 g, incl. rechargeable battery	
<b>Dimensions</b>	104 mm x 76.3 mm x 176 mm		

<sup>1)</sup> Rechargeable battery operation.

Ambient data

	IDM160 Corded	IDM161 Bluetooth	IDM162 WIFI
<b>Shock resistance</b>	50 drops from 2 m height on concrete		
<b>Ambient operating temperature</b>	-10 °C ... +50 °C	0 °C ... +50 °C	-10 °C ... +50 °C
<b>Storage temperature</b>	-40 °C ... +70 °C		
<b>Permissible relative humidity</b>	± 95 %, non-condensing		
<b>Ambient light safety</b>	100,000 lx		

General notes

	IDM160 Corded	IDM161 Bluetooth	IDM162 WIFI
<b>Items supplied</b>	-	The battery is included in delivery	

Ordering information

- **Field of application:** Industrial
- **Version:** Standard Range

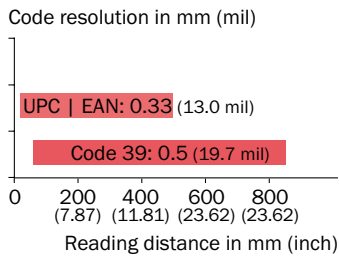
Sub product family	Items supplied	Supported code type	Included in delivery	Model name	Part no.
IDM160 Corded	Single scanner	1D	-	IDM160-300S	6054544
		1D, Stacked	-	IDM160-310S	6054547
	Kit	1D	6045196 Connection cable 6054544 IDM160-300S	IDM160-300S RS-232 Kit	6054546
			6045196 Connection cable 6054544 IDM160-300S 6036722 Power supply unit	IDM160-300S RS-232 Power Kit	6054549
			6045195 Connection cable 6054544 IDM160-300S	IDM160-300S USB Kit	6054545
IDM161 Bluetooth	Single scanner	1D	-	IDM161-300S	6054556
		1D, Stacked	-	IDM161-310S	6054559
	Kit	1D	6041540 Connection cable 6053629 Base station 6054556 IDM161-300S 6036722 Power supply unit	IDM161-300S RS-232 Kit	6054558
			6036728 Connection cable 6053629 Base station 6054556 IDM161-300S 6036722 Power supply unit	IDM161-300S USB Kit	6054557
			6053629 Base station 6054559 IDM161-310S 6036722 Power supply unit	IDM161-310S Basic Kit	6054793



Sub product family	Items supplied	Supported code type	Included in delivery	Model name	Part no.
IDM162 WIFI	Single scanner	1D	-	IDM162-300S	6054566
		1D, Stacked	-	IDM162-310S	6054568
	Kit	1D	6036728 Connection cable 6054566 IDM162-300S 6045198 Charging station 6036722 Power supply unit	IDM162-300S USB Kit	6054567
		1D, Stacked	6036728 Connection cable 6054568 IDM162-310S 6045198 Charging station 6036722 Power supply unit	IDM162-310S USB Kit	6054569

### Reading field diagrams



IDM14x-3xxS Standard Range  
IDM16x-3xxS Standard Range



### Recommended accessories

#### Mounting systems


#### Other mounting accessories

	Brief description	Model name	Part no.	IDM160 Corded	IDM161 Bluetooth	IDM162 WIFI
	Desk holder	Table mount	6045192	●	●	●
	Tripod mount	Tripod mount	6045193	●	●	●


Connection systems

Plug connectors and cables

- **Signal type/application:** USB

	Connection type head A	Connection type head B	Cable	Cable length	Model name	Part no.	IDM160 Corded	IDM161 Bluetooth	IDM162 WIFI
	Male connector, USB-A	Male connector, RJ45	Straightened cable, for keyboard wedge or USB Com Port Emulation	1.8 m	Connection cable	6045195	●	-	-
					Connection cable	6036728	-	●	●

Power supply units and power cord connectors


	Brief description	Model name	Part no.	IDM160 Corded	IDM161 Bluetooth	IDM162 WIFI
	Power supply, input AC 100 ... 240 V, output DC 5 V/2 A (necessary when using RS-232 TTL cable, does not fulfill medical standard EN 60601/ IEC 60601))	Power supply unit	6036722	●	●	●

→ For additional accessories, please see page 39




# CONVENIENT AND SECURE IDENTIFICATION OF 2D CODES


General Purpose




Omni-directional




Matrix Camera




1D





Stacked



2D







**Additional information**

Detailed technical data . . . . . 29

Ordering information . . . . . 30

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Recommended accessories . . . . .31

## Product description

The IDM24x hand-held scanner securely and reliably identifies two-dimensional codes, and all current linear and stacked bar codes. An innovative, miniaturized matrix camera enables fast and secure code identification, no matter what orientation the code is in. Thanks to its extremely light, ergonomic design, it is easy to hold and enables comfortable triggering. In presentation mode, the scanner automatically

identifies codes that are held in front of it and starts reading. With corded and cordless variants available, you are bound to find the ideal solution for any application. The combination of fast and reliable identification of 1D and 2D codes, ergonomic design, and simple operation provides ideal conditions for daily use in an extremely wide range of non-industrial fields of application.

## At a glance

- Identification of all current 1D, stacked, and 2D codes
- Reliable, secure, and fast code reading
- Compact design, weighs only 150 g
- Manual operation and hands-free operation in presentation mode
- Corded and cordless variants available

## Your benefits

- Only one device for a wide range of different code types
- Fast and accurate identification without manual data entry
- Simple and ergonomic operation, even in scanning-intensive applications
- Flexible application possibilities due to various operating options
- Cordless variant ensures mobility in all applications

→ [www.mysick.com/en/IDM24x](http://www.mysick.com/en/IDM24x)

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



## Detailed technical data

## Features

<b>Scanner design</b>	2D code hand-held scanner				
<b>Light source</b>	Lighting LEDs: visible red light (630 nm)				
<b>Scanning frequency</b>	60 Hz				
<b>Code resolution</b>	<table border="0"> <tr> <td style="padding-right: 20px;">Standard Range</td> <td>≥ 0.08 mm <sup>1)</sup> ≥ 0.18 mm <sup>2)</sup></td> </tr> <tr> <td>High Density</td> <td>≥ 0.08 mm <sup>1)</sup> ≥ 0.13 mm <sup>2)</sup></td> </tr> </table>	Standard Range	≥ 0.08 mm <sup>1)</sup> ≥ 0.18 mm <sup>2)</sup>	High Density	≥ 0.08 mm <sup>1)</sup> ≥ 0.13 mm <sup>2)</sup>
Standard Range	≥ 0.08 mm <sup>1)</sup> ≥ 0.18 mm <sup>2)</sup>				
High Density	≥ 0.08 mm <sup>1)</sup> ≥ 0.13 mm <sup>2)</sup>				
<b>Reading distance</b>	30 mm ... 380 mm <sup>3)</sup>				

<sup>1)</sup> Valid for Code 39.

<sup>2)</sup> Valid for Data Matrix code.

<sup>3)</sup> For details see reading field diagram.

## Performance

	IDM240 Corded	IDM241 Bluetooth
<b>Bar code types</b>	Codabar, Code 39, Interleaved 2 of 5, Code 93, Code 128, UPC / GTIN / EAN, RSS, Australian Post, China Post, German Post, US Planet, US Postnet, British Post, Intelligent Mail, Japan Post, Korean Post, Dutch KIX Post	
<b>2D code types</b>	Data Matrix, QR code, MicroQR-Code, Aztec, MaxiCode	
<b>Stacked code types</b>	PDF417, MicroPDF417, Code 49, Code 16K, Composite, Codablock	
<b>Battery power</b>	-	Over 60,000 scans with full battery
<b>Code buffer</b>	-	5,000 Codes (EAN, for scanning in batch mode), 100,000 Codes (EAN, for out of range scanning)

## Interfaces

	IDM240 Corded	IDM241 Bluetooth
<b>Serial</b>	✓	
Function	RS-232 TTL	
<b>Ethernet</b>	✓, optional via external connection or fieldbus module	
Protocol	TCP/IP (optional via external connection module CDM + CMF), PROFINET (optional via external connection module CDF600-2), EtherCAT (optional via external connection module CDF600)	
<b>PROFIBUS DP</b>	✓, optional via external connection module (CDF600-2)	
<b>DeviceNet</b>	✓, optional via external connection module (CDM + CMF)	
<b>PS/2</b>	✓	
Function	Keyboard wedge	
<b>USB</b>	✓	
Function	Keyboard wedge, COM-Port emulation	
<b>Bluetooth</b>		✓
Function	-	Wireless operating range up to 100 m (free view), batch function for expansion of the wireless radius, up to seven scanners communicate with one base station
Protocol	-	Bluetooth™ V4.0, 2.402 ... 2.4830 GHz
<b>Optical indicators</b>	2 LEDs (operational status, good read)	2 LEDs (good read, charge of battery, radio connection status)
<b>Acoustic indicators</b>	Beeper, disengageable	
<b>Vibration</b>	No	
<b>Configuration software</b>	IDM Setup Tool	

Mechanics/electronics

	IDM240 Corded	IDM241 Bluetooth
Operating voltage	5 V DC, ± 5 %	
Current consumption	Operation: typ. 285 mA Standby: typ. 160 mA	Operation: typ. 300 mA Standby: typ. 180 mA
Housing color	Black, gray	
Enclosure rating	IP 41	
Weight	152 g, without cable	230 g, without cable
Dimensions	95 mm x 70.5 mm x 161.7 mm	

Ambient data

Shock resistance	25 drops from 1.8 m height on concrete
Ambient operating temperature	-10 °C ... +50 °C
Storage temperature	-40 °C ... +70 °C
Permissible relative humidity	95 %, non-condensing
Ambient light safety	100,000 lx

General notes

	IDM240 Corded	IDM241 Bluetooth
Items supplied	-	The battery is included in delivery

Ordering information

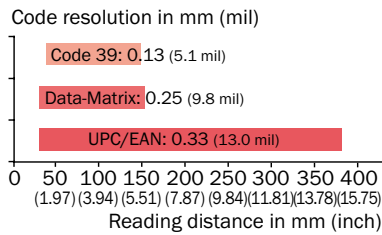
- **Field of application:** General Purpose
- **Supported code type:** 1D, 2D, Stacked

Sub product family	Items supplied	Version	Included in delivery	Model name	Part no.
IDM240 Corded	Single scanner	Standard Range	-	IDM240-100S	6050643
		High Density	-	IDM240-100H	6050646
	Kit	Standard Range	6050643 IDM240-100S 6036728 Connection cable	IDM240-100S USB Kit	6050644
			6050643 IDM240-100S 6041540 Connection cable	IDM240-100S RS-232 Kit	6050645
			6050643 IDM240-100S 6041540 Connection cable 6036722 Power supply unit	IDM240-100S RS-232 Power Kit	1064986
		High Density	6036728 Connection cable 6050646 IDM240-100H	IDM240-100H USB Kit	6050647
			6041540 Connection cable 6050646 IDM240-100H	IDM240-100H RS-232 Kit	6050648
			6041540 Connection cable 6050646 IDM240-100H 6036722 Power supply unit	IDM240-100H RS-232 Power Kit	1064984

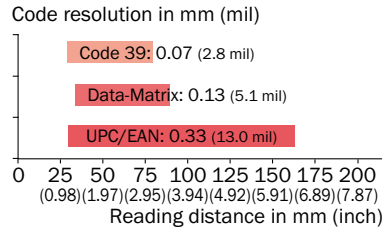
Sub product family	Items supplied	Version	Included in delivery	Model name	Part no.	
IDM241 Blue-tooth	Single scanner	Standard Range	-	IDM241-100S	6053048	
		High Density	-	IDM241-100H	6053051	
	Kit	Standard Range	6053048 IDM241-100S 6036728 Connection cable 6053628 Base station 6036722 Power supply unit		IDM241-100S USB Kit	6053049
			6053048 IDM241-100S 6041540 Connection cable 6053628 Base station 6036722 Power supply unit		IDM241-100S RS-232 Kit	6053050
		High Density	6053051 IDM241-100H 6036728 Connection cable 6053628 Base station 6036722 Power supply unit		IDM241-100H USB Kit	6053052
			6053051 IDM241-100H 6041540 Connection cable 6053628 Base station 6036722 Power supply unit		IDM241-100H RS-232 Kit	6053053

### Reading field diagrams

IDM2xx-xxxS Standard Range



IDM2xx-xxxH High Density



### Recommended accessories

#### Mounting systems


##### Other mounting accessories

	Brief description	Model name	Part no.
	Desk holder	Table mount	6045192
	Tripod mount	Tripod mount	6036724


### Connection systems

#### Plug connectors and cables

- **Signal type/application:** USB

	Connection type head A	Connection type head B	Cable	Cable length	Model name	Part no.
	Male connector, USB-A	Male connector, RJ45	Straightened cable, for keyboard wedge or USB Com Port Emulation	1.8 m	Connection cable	6036728

Power supply units and power cord connectors


	Brief description	Model name	Part no.
	Power supply, input AC 100 ... 240 V, output DC 5 V/2 A (necessary when using RS-232 TTL cable, does not fulfill medical standard EN 60601/ IEC 60601)	Power supply unit	6036722


→ For additional accessories, please see page 42








# RELIABLE 2D CODE IDENTIFICATION IN HARSH ENVIRONMENTS


Industrial  




Omni-directional  
360°  



Matrix Camera  


1D  


Stacked  


2D  




**Additional information**

Detailed technical data . . . . . 35

Ordering information . . . . . 36

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## Product description

The IDM260x hand-held scanner securely and reliably identifies two-dimensional codes, and all popular linear, stacked or DPM codes. Thanks to its rugged, IP 65-protected housing, the hand-held scanner is able to withstand adverse environmental conditions. Nevertheless, it is light, easy to hold, and can be used simply and intuitively due to its triple read indicator LED, beeper, and

vibration. The cordless variants ensure flexibility and mobility. For integration in industrial fieldbuses, e.g., PROFIBUS or PROFINET, SICK connection modules can be used. The combination of reliable code reading, rugged design, and SICK connectors enables use in an extremely wide range of industrial fields of application.

## At a glance

- Identification of all current 1D, stacked, and 2D codes
- Reliable, secure, and fast code reading
- Rugged, stable housing with IP 65 enclosure rating
- Supports all common corded and cordless interfaces as well as industrial fieldbuses via SICK connectivity
- Good read feedback via LED, beeper, and vibration
- Decoding algorithms ideal for direct part marked codes (depending on type)

## Your benefits

- Only one device for a wide range of different code types
- Fast and accurate identification without manual data entry
- Highly reliable thanks to industrial enclosure rating and rugged housing
- Simple and flexible integration in industrial fieldbus networks using SICK connectors
- Simple, intuitive operation thanks to multiple read confirmation
- Direct expert advice all over the world from the SICK sales and service network
- Low contrast or highly reflective DPM codes are identified reliably

→ [www.mysick.com/en/IDM26x](http://www.mysick.com/en/IDM26x)

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



## Detailed technical data

### Features

<b>Scanner design</b>	2D code hand-held scanner / 2D DPM hand-held scanner (depending on type)	
<b>Light source</b>	Lighting LEDs: visible red light (630 nm) Aiming laser: visible red light (630 nm)	
<b>Scanning frequency</b>	60 Hz	
<b>Code resolution</b>	Standard Range	≥ 0.08 mm <sup>1)</sup> ≥ 0.18 mm <sup>2)</sup>
	High Density	≥ 0.08 mm <sup>1)</sup> ≥ 0.13 mm <sup>2)</sup>
	High Density DPM	≥ 0.08 mm <sup>1)</sup> ≥ 0.13 mm <sup>2)</sup>
<b>Reading distance</b>	30 mm ... 380 mm <sup>3)</sup>	

<sup>1)</sup> Valid for Code 39.

<sup>2)</sup> Valid for Data Matrix code.

<sup>3)</sup> For details see reading field diagram.

### Performance

	IDM260 Corded	IDM261 Bluetooth
<b>Bar code types</b>	Code 39, Code 39 Trioptic, Code 32, Code 93, Code 11, Codabar, Code 128, GS1-128 / EAN 128, UPC / EAN / JAN (with addition), MSI/Plessey, UK/Plessey, IATA, Interleaved 2 of 5, Standard and Industrial 2 of 5, Matrix 2 of 5, Telepen, GS1 DataBar, Australian Post, China Post, German Post, US Planet, US Postnet, British Post, Intelligent Mail, Japan Post, Korean Post, Dutch KIX Post	
<b>2D code types</b>	Data Matrix, QR code, MicroQR-Code, Aztec, MaxiCode	
<b>Stacked code types</b>	PDF417, MicroPDF417, Code 49, Code 16K, Composite, Codablock	
<b>Battery power</b>	-	Over 60,000 scans with full battery
<b>Code buffer</b>	-	5,000 Codes (EAN, for scanning in batch mode), 100,000 Codes (EAN, for out of range scanning)

### Interfaces

	IDM260 Corded	IDM261 Bluetooth
<b>Serial</b>	✓	
Function	RS-232 TTL	
<b>Ethernet</b>	✓, optional via external connection or fieldbus module	
Protocol	TCP/IP (optional via external connection module CDM + CMF), PROFINET (optional via external connection module CDF600-2), EtherCAT (optional via external connection module CDF600)	
<b>PROFIBUS DP</b>	✓, optional via external connection module (CDF600-2)	
<b>DeviceNet</b>	✓, optional via external connection module (CDM + CMF)	
<b>PS/2</b>	✓	
Function	Keyboard wedge	
<b>USB</b>	✓	
Function	Keyboard wedge, COM-Port emulation	
<b>Bluetooth</b>		✓
Function	-	Wireless operating range up to 100 m (free view), batch function for expansion of the wireless radius, up to seven scanners communicate with one base station
Protocol	-	Bluetooth™ V4.0, 2.402 ... 2.4830 GHz

	IDM260 Corded	IDM261 Bluetooth
Optical indicators	2 LEDs (operational status, good read)	2 LEDs (good read, charge of battery, radio connection status)
Acoustic indicators	Beeper, disengageable	
Vibration	Yes	
Configuration software	IDM Setup Tool	

Mechanics/electronics

	IDM260 Corded	IDM261 Bluetooth
Operating voltage	5 V DC, ± 5 %	
Current consumption	Operation (vibration deactivated): ≤ 285 mA Operation (vibration activated): ≤ 335 mA Standby: ≤ 150 mA	Operation (vibration deactivated): ≤ 300 mA Operation (vibration activated): ≤ 330 mA Standby: ≤ 180 mA
Housing color	Blue, gray	
Enclosure rating	IP 65	
Weight	208 g, without cable	220 g, without cable
Dimensions	104 mm x 76.3 mm x 176 mm	

Ambient data

Shock resistance	50 drops from 2 m height on concrete
Ambient operating temperature	-20 °C ... +50 °C
Storage temperature	-40 °C ... +70 °C
Permissible relative humidity	95 %, non-condensing
Ambient light safety	100,000 lx

General notes

	IDM260 Corded	IDM261 Bluetooth
Items supplied	-	The battery is included in delivery

Ordering information

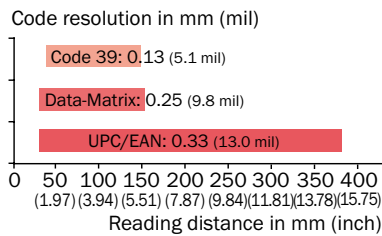
- **Field of application:** Industrial

Sub product family	Items supplied	Supported code type	Version	Included in delivery	Model name	Part no.
IDM260 Corded	Single scanner	1D, 2D, Stacked	Standard Range	-	IDM260-100S	6050652
			High Density	-	IDM260-100H	6050655
		1D, 2D, Stacked, DPM	High Density DPM	-	IDM260-120H	1068862
	Kit	1D, 2D, Stacked	Standard Range	6050652 IDM260-100S 6045195 Connection cable	IDM260-100S USB Kit	6050653
				6050652 IDM260-100S 6045196 Connection cable	IDM260-100S RS-232 Kit	6050654
				6050652 IDM260-100S 6045196 Connection cable 6036722 Power supply unit	IDM260-100S RS-232 Power Kit	1064990
			High Density	6050655 IDM260-100H 6045195 Connection cable	IDM260-100H USB Kit	6050656
				6050655 IDM260-100H 6045196 Connection cable	IDM260-100H RS-232 Kit	6050657
				6050655 IDM260-100H 6045196 Connection cable 6036722 Power supply unit	IDM260-100H RS-232 Power Kit	1064988

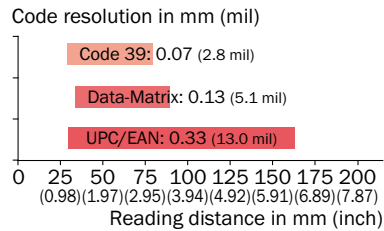
Sub product family	Items supplied	Supported code type	Version	Included in delivery	Model name	Part no.	
IDM261 Bluetooth	Single scanner	1D, 2D, Stacked	Standard Range	-	IDM261-100S	6053054	
			High Density	-	IDM261-100H	6053057	
		1D, 2D, Stacked, DPM	High Density DPM	-	IDM261-120H	1070925	
	Kit	1D, 2D, Stacked	Standard Range	6053054 IDM261-100S 6036728 Connection cable 6053629 Base station 6036722 Power supply unit		IDM261-100S USB Kit	6053055
				6053054 IDM261-100S 6041540 Connection cable 6053629 Base station 6036722 Power supply unit		IDM261-100S RS-232 Kit	6053056
				6053057 IDM261-100H 6036728 Connection cable 6053629 Base station 6036722 Power supply unit		IDM261-100H USB Kit	6053058
		1D, 2D, Stacked, DPM	High Density	6053057 IDM261-100H 6041540 Connection cable 6053629 Base station 6036722 Power supply unit		IDM261-100H RS-232 Kit	6053059
				6053629 Base station 1070925 IDM261-120H 6036722 Power supply unit		IDM261-120H Basic Kit	1070926

### Reading field diagrams

IDM2xx-xxxS Standard Range





IDM2xx-xxxH High Density



### Recommended accessories

#### Mounting systems



#### Other mounting accessories

	Brief description	Model name	Part no.	IDM260 Corded	IDM261 Bluetooth
	Desk holder	Table mount	6045192	●	●
	Tripod mount	Tripod mount	6045193	●	●


Connection systems

Plug connectors and cables

- **Signal type/application:** USB

	Connection type head A	Connection type head B	Cable	Cable length	Model name	Part no.	IDM260 Corded	IDM261 Bluetooth
	Male connector, USB-A	Male connector, RJ45	Straightened cable, for keyboard wedge or USB Com Port Emulation	1.8 m	Connection cable	6045195	●	-
					Connection cable	6036728	-	●





Power supply units and power cord connectors

	Brief description	Model name	Part no.	IDM260 Corded	IDM261 Bluetooth
	Power supply, input AC 100 ... 240 V, output DC 5 V/2 A (necessary when using RS-232 TTL cable, does not fulfill medical standard EN 60601/ IEC 60601))	Power supply unit	6036722	●	●

→ For additional accessories, please see page 42


**Hand-held scanners 1D****Mounting systems**

## Other mounting accessories





	Brief description	Model name	Part no.	IDM120 Corded	IDM140 Corded	IDM141 Bluetooth	IDM142 WIFI	IDM160 Corded	IDM161 Bluetooth	IDM162 WIFI
	Desk holder	Table mount	6036723	●	●	●	●	-	-	-
		Table mount	6045192	-	-	-	-	●	●	●
	Tripod mount	Tripod mount	6036724	●	●	●	●	-	-	-
		Tripod mount	6045193	-	-	-	-	●	●	●





**Connection systems**

## Adapters and distributors

	Connection type head A	Connection type head B	Cable	Cable length	Part no.	IDM120 Corded	IDM140 Corded	IDM141 Bluetooth	IDM142 WIFI	IDM160 Corded	IDM161 Bluetooth	IDM162 WIFI
 Illustration may differ	Male connector, D-Sub, 9-pin	Male connector, D-Sub, 15-pin	Incl. 24V/5V DC converter, for hand-held scanners to CDB620/CDM420/CDF600/CDF600-2	0.2 m	2056475	●	●	●	-	●	●	-
				0.3 m	2057709	●	●	●	-	●	●	-






**Modules**

	Brief description	Model name	Part no.	IDM120 Corded	IDM140 Corded	IDM141 Bluetooth	IDM142 WIFI	IDM160 Corded	IDM161 Bluetooth	IDM162 WIFI
	Fieldbus proxy/gateway to connect to a EtherCAT network	CDF600-0300	1052291	●	●	●	-	●	●	-
	Fieldbus proxy/gateway for connecting identification sensors to PROFIBUS-DP networks (PROFIBUS interface: 2 x M12, male connector/female connector, 5-pin)	CDF600-2100	1058965	●	●	●	-	●	●	-
	Fieldbus proxy/gateway for connecting identification sensors to PROFIBUS-DP networks (PROFIBUS interface: 1 x D-Sub, female connector, 9-pin)	CDF600-2103	1058966	●	●	●	-	●	●	-
	Fieldbus proxy/gateway for connecting one identification sensor to PROFINET-IO networks (interface 2 x M12, female connector/female connector, 4-pin)	CDF600-2200	1062460	●	●	●	-	●	●	-


	Brief description	Model name	Part no.	IDM120 Corded	IDM140 Corded	IDM141 Bluetooth	IDM142 WIFI	IDM160 Corded	IDM161 Bluetooth	IDM162 WIFI
	Fieldbus proxy/gateway for connecting one identification sensor to PROFINET-IO networks (interface 2 x RJ45 AIDA, female connector/female connector, 4-pin)	CDF600-2201	1063390	●	●	●	-	●	●	-
	Modular connection module for one sensor	CDM420-0001	1025362	●	●	●	-	●	●	-
	Modular connection module for two sensors	CDM420-0004	1028487	●	●	●	-	●	●	-
	Modular connection module for two sensors, 2 A fuse	CDM420-0007	1060324	●	●	●	-	●	●	-

→ For connection module accessories, please see page 45


Plug connectors and cables

	Signal type/ application	Connection type head A	Connection type head B	Cable	Cable length	Part no.	IDM120 Corded	IDM140 Corded	IDM141 Bluetooth	IDM142 WIFI	IDM160 Corded	IDM161 Bluetooth	IDM162 WIFI
	USB	Male connector, USB-A	Male connector, RJ45	Straightened cable, for keyboard wedge or USB Com Port Emulation	1.8 m	6036728	●	●	●	●	-	●	●
				For keyboard wedge or USB Com Port Emulation, coiled cable	3.8 m	6039158	●	●	-	-	-	-	-
	RS-232 TTL	Female connector, D-Sub, 9-pin, straight	Male connector, RJ45	Straightened cable, voltage via pin 9 or external power supply required	1.8 m	6041540	●	●	●	-	-	●	-
				Coiled cable, voltage via pin 9 or external power supply required	3.8 m	6039156	●	●	-	-	-	-	-
	PS/2	Female connector, Mini-DIN Male connector, Mini-DIN	Male connector, RJ45	For keyboard wedge, straightened cable	2 m	6036726	●	●	●	-	-	●	-
				For keyboard wedge, coiled cable	3.8 m	6039155	●	●	-	-	-	-	-
	USB	Male connector, USB-A	Male connector, RJ45	Straightened cable, for keyboard wedge or USB Com Port Emulation	1.8 m	6045195	-	-	-	-	●	-	-
				For keyboard wedge or USB Com Port Emulation, coiled cable	3.8 m	6045232	-	-	-	-	●	-	-
	RS-232 TTL	Female connector, D-Sub, 9-pin, straight	Male connector, RJ45	Straightened cable, voltage via pin 9 or external power supply required	1.8 m	6045196	-	-	-	-	●	-	-
				Coiled cable, voltage via pin 9 or external power supply required	3.8 m	6045233	-	-	-	-	●	-	-








	Signal type/application	Connection type head A	Connection type head B	Cable	Cable length	Part no.	IDM120 Corded	IDM140 Corded	IDM141 Bluetooth	IDM142 WIFI	IDM160 Corded	IDM161 Bluetooth	IDM162 WIFI
	PS/2	Female connector, Mini-DIN Male connector, Mini-DIN	Male connector, RJ45	For keyboard wedge, straightened cable	2 m	6045194	-	-	-	-	●	-	-
				For keyboard wedge, coiled cable	3.8 m	6045231	-	-	-	-	●	-	-

Power supply units and power cord connectors

	Brief description	Model name	Part no.	IDM120 Corded	IDM140 Corded	IDM141 Bluetooth	IDM142 WIFI	IDM160 Corded	IDM161 Bluetooth	IDM162 WIFI
	Power supply, input AC 100 ... 240 V, output DC 5 V/2 A (necessary when using RS-232 TTL cable, does not fulfill medical standard EN 60601/ IEC 60601))	Power supply unit	6036722	●	●	●	●	●	●	●

Further accessories




Rechargeable batteries and battery chargers

	Brief description	Model name	Part no.	IDM120 Corded	IDM140 Corded	IDM141 Bluetooth	IDM142 WIFI	IDM160 Corded	IDM161 Bluetooth	IDM162 WIFI
	Radio base station; operation voltage 5 V DC, power max. 680 mA	Base station	6053628	-	-	●	-	-	-	-
		Base station	6053629	-	-	-	-	-	●	-
	Charging station without Bluetooth functionality; operating voltage 5 V DC, operating power max. 650 mA	Charging station	6041266	-	-	●	●	-	-	-
		Charging station	6045198	-	-	-	-	-	●	●
	Lithium-ion replacement battery for IDM radio scanners, voltage 3.7 V, electrical charge 2,600 mAh	Replacement battery	6041193	-	-	●	●	-	●	●

Hand-held scanners 2D


Mounting systems

Other mounting accessories





	Brief description	Model name	Part no.	IDM240 Corded	IDM241 Bluetooth	IDM260 Corded	IDM261 Bluetooth
	Desk holder	Table mount	6045192	●	●	●	●
	Tripod mount	Tripod mount	6036724	●	●	-	-
		Tripod mount	6045193	-	-	●	●





Connection systems

Adapters and distributors

	Connection type head A	Connection type head B	Cable	Cable length	Part no.	IDM240 Corded	IDM241 Bluetooth	IDM260 Corded	IDM261 Bluetooth
 Illustration may differ	Male connector, D-Sub, 9-pin	Male connector, D-Sub, 15-pin	Incl. 24V/5V DC converter, for hand-held scanners to CDB620/CDM420/CDF600/CDF600-2	0.2 m	2056475	●	●	●	●
				0.3 m	2057709	●	●	●	●







Modules

	Brief description	Model name	Part no.	IDM240 Corded	IDM241 Bluetooth	IDM260 Corded	IDM261 Bluetooth
	Fieldbus proxy/gateway to connect to a EtherCAT network	CDF600-0300	1052291	●	●	●	●
	Fieldbus proxy/gateway for connecting identification sensors to PROFIBUS-DP networks (PROFIBUS interface: 2 x M12, male connector/female connector, 5-pin)	CDF600-2100	1058965	●	●	●	●
	Fieldbus proxy/gateway for connecting identification sensors to PROFIBUS-DP networks (PROFIBUS interface: 1 x D-Sub, female connector, 9-pin)	CDF600-2103	1058966	●	●	●	●
	Fieldbus proxy/gateway for connecting one identification sensor to PROFINET-IO networks (interface 2 x M12, female connector/female connector, 4-pin)	CDF600-2200	1062460	●	●	●	●


	Brief description	Model name	Part no.	IDM240 Corded	IDM241 Bluetooth	IDM260 Corded	IDM261 Bluetooth
	Fieldbus proxy/gateway for connecting one identification sensor to PROFINET-IO networks (interface 2 x RJ45 AIDA, female connector/female connector, 4-pin)	CDF600-2201	1063390	●	●	●	●
	Modular connection module for one sensor	CDM420-0001	1025362	●	●	●	●
	Modular connection module for two sensors	CDM420-0004	1028487	●	●	●	●
	Modular connection module for two sensors, 2 A fuse	CDM420-0007	1060324	●	●	●	●

→ For connection module accessories, please see page 45

Plug connectors and cables






	Signal type/application	Connection type head A	Connection type head B	Cable	Cable length	Part no.	IDM240 Corded	IDM241 Bluetooth	IDM260 Corded	IDM261 Bluetooth
	USB	Male connector, USB-A	Male connector, RJ45	Straightened cable, for keyboard wedge or USB Com Port Emulation	1.8 m	6036728	●	●	-	●
				For keyboard wedge or USB Com Port Emulation, coiled cable	3.8 m	6039158	●	-	-	-
	RS-232 TTL	Female connector, D-Sub, 9-pin, straight	Male connector, RJ45	Straightened cable, voltage via pin 9 or external power supply required	1.8 m	6041540	●	●	-	●
				Coiled cable, voltage via pin 9 or external power supply required	3.8 m	6039156	●	-	-	-
	PS/2	Female connector, Mini-DIN Male connector, Mini-DIN	Male connector, RJ45	For keyboard wedge, straightened cable	2 m	6036726	●	●	-	●
				For keyboard wedge, coiled cable	3.8 m	6039155	●	-	-	-
	USB	Male connector, USB-A	Male connector, RJ45	Straightened cable, for keyboard wedge or USB Com Port Emulation	1.8 m	6045195	-	-	●	-
				For keyboard wedge or USB Com Port Emulation, coiled cable	3.8 m	6045232	-	-	●	-
	RS-232 TTL	Female connector, D-Sub, 9-pin, straight	Male connector, RJ45	Straightened cable, voltage via pin 9 or external power supply required	1.8 m	6045196	-	-	●	-
				Coiled cable, voltage via pin 9 or external power supply required	3.8 m	6045233	-	-	●	-
	PS/2	Female connector, Mini-DIN Male connector, Mini-DIN	Male connector, RJ45	For keyboard wedge, straightened cable	2 m	6045194	-	-	●	-
				For keyboard wedge, coiled cable	3.8 m	6045231	-	-	●	-

## Power supply units and power cord connectors

	Brief description	Model name	Part no.	IDM240 Corded	IDM241 Bluetooth	IDM260 Corded	IDM261 Bluetooth
	Power supply, input AC 100 ... 240 V, output DC 5 V/2 A (necessary when using RS-232 TTL cable, does not fulfill medical standard EN 60601/ IEC 60601))	Power supply unit	6036722	●	●	●	●

## Further accessories

### Rechargeable batteries and battery chargers


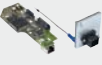
	Brief description	Model name	Part no.	IDM240 Corded	IDM241 Bluetooth	IDM260 Corded	IDM261 Bluetooth
	Radio base station; operation voltage 5 V DC, power max. 680 mA	Base station	6053628	-	●	-	-
		Base station	6053629	-	-	-	●
	Charging station without Bluetooth functionality; operating voltage 5 V DC, operating power max. 650 mA	Charging station	6041266	-	●	-	-
		Charging station	6045198	-	-	-	●
	Lithium-ion replacement battery for IDM radio scanners, voltage 3.7 V, electrical charge 2,600 mAH	Replacement battery	6041193	-	●	-	●

**Connection modules****Connection systems**


## Adapters and distributors

	Connection type head A	Connection type head B	Cable	Cable length	Model name	Part no.	CDM420
	Female connector	Male connector	Configuration and diagnosis adapter for CMF400	0.25 m	Programming Adapter (Compro)	2030490	●

## Modules and gateways

	Brief description		Model name	Part no.	CDM420
	DeviceNet Gateway (IP 65, M12 plug)		CMF400-2101	1026242	●
	Ethernet TCP/IP Gateway (IP 65, RJ45 socket)		CMF400-3101	1026357	●

## Plug connectors and cables

	Signal type/ application	Connection type head A	Connection type head B	Cable	Cable length	Part no.	CDM420
	-	Female connector, D-Sub, 9-pin, straight	Female connector, D-Sub, 9-pin, straight	Ribbon cable, for looping-in a hand-held scanner via the Aux interface of CDM420-0004	0.14 m	2058003	●

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<b>Vision sensors</b> Inspectors	<b>RFID</b> RFH6xx RFU62x, RFU63x
<b>Absolute encoders</b> AFS60 AFM60	<b>Laser volume flowmeter</b> Bulkscan® LMS511

#### Function blocks

The SICK function blocks quickly allow you to establish acyclic communication to our sensors within your PLC program. Additionally, complex and variable process data can be parsed into their individual information contents without programmer effort.

#### DTM (Device Type Manager)

FDT/DTM is a cross-manufacturer concept, with which configuration and diagnosis of devices from different manufacturers can be done with just one engineering tool.

#### TCI (Tool Calling Interface)

The Tool Calling Interface (TCI) makes it possible to call up a tool used to carry out parameterization and diagnosis of a field device via the existing communication infrastructure.

### HMI integration

#### OPC server

OPC technology is used to exchange data between field devices and Windows-based applications. The SOPAS OPC server from SICK follows the OPC DA specification and thus can be used on Windows operating systems.



#### Web server

The SOPAS web server from SICK can be used everywhere, where a web browser is available. The web server is distinguished by its ability to both carry out pure data exchange and also to provide visualizations for the devices, which is a big advantage, particularly for vision sensors.

### Fieldbus Communication Interface



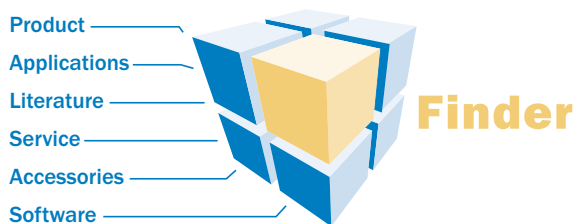
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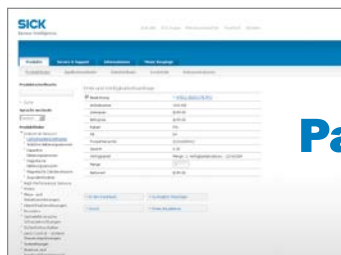
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## SICK AT A GLANCE

SICK is a leading manufacturer of intelligent sensors and sensor solutions for industrial applications. With more than 6,500 employees and over 50 subsidiaries and equity investments as well as numerous representative offices worldwide, we are always close to our customers. 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 various 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.

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