



IDM

Mobile 1D and 2D code identification for standard and industrial applications

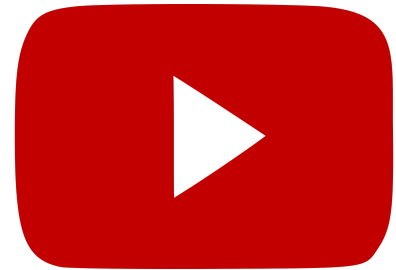
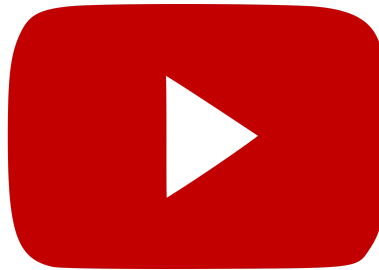
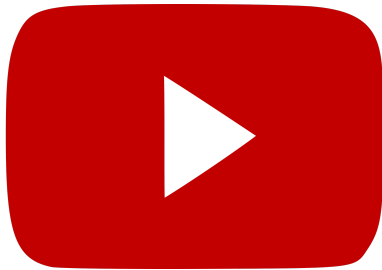
SICK
Sensor Intelligence.

Advantages



The battery-free solution for everyday use

The UltraCap™ supercapacitor serves as a battery-free voltage supply and is compatible with all IDM cable-free mobile handheld scanners. It is characterized by its long service life and thereby lowers the operating costs of the mobile handheld scanner. At the same time, it produces less electronic waste than battery-operated devices. UltraCap™ is not a hazardous good and is therefore unproblematic to send. Moreover, the supercapacitor is easy to replace. It is also possible to retrofit battery-operated solutions with the UltraCap™.



Quickly deployable

Only 50 minutes charging time until fully charged. Short-term availability thanks to one-minute fast charge (up to 700 scans).

Ecological and economical

UltraCap™ is more cost-effective and easy to send than conventional lithium-ion batteries.

Durable and sustainable

Lasts 25 times longer than conventional lithium-ion batteries. That reduces electronic waste and helps save valuable raw materials.



Mobile handheld scanners with battery-free power supply: The UltraCap™ supercapacitor is quickly charged and ensures less electronic waste. This enables a mobile handheld scanner to be operated for longer and at lower costs.

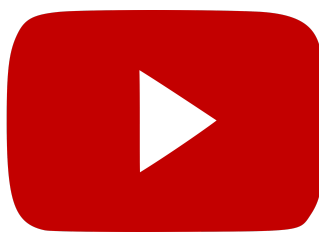


SICK mobile handheld scanners – a good way to make your connection

Using modular connection technology, the mobile handheld scanners from SICK can be integrated into numerous fieldbus technologies such as PROFIBUS DP, PROFINET IO/RT, Ethernet TCP/IP, or EtherCAT®. When used in systems with fixed 1D and 2D cameras or RFID read/write devices, the AUX loop-in is an economical solution.



Especially when it comes to stationary track and trace systems, manual mobile code reading is often required as a backup. This can be done economically with AUX loop-in.



This video tutorial gives an example of the materials and steps required for integration in a fieldbus network.



Simple PROFIBUS integration into large track and trace systems is possible using the Connection Device Fieldbus fieldbus module.



Simple integration into numerous fieldbus technologies and AUX loop-in for track and trace systems using modular connection technology



For industrial applications: Tangible benefits to increase your flexibility

The industrial variants of the IDM mobile handheld scanners safely and reliably detect 1D and 2D codes as well as all common stacked codes such as PDF417. Rugged housing with IP65 enclosure rating enables the mobile handheld scanner to withstand adverse ambient conditions. At the same time, however, it is light, easy to hold, and can be used simply and intuitively.

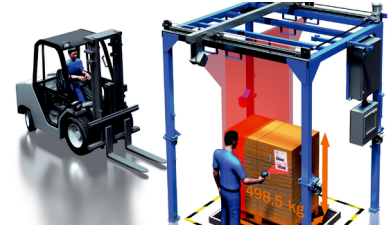
ly due to its triple read feedback via LED, beeper, and vibration. The wireless variants deliver flexibility and mobility. The combination of reliable code reading, rugged design, and SICK connectivity enables use in an extremely wide range of industrial fields of application.



Tire identification in factory automation: Highly reliable thanks to IP65 industrial enclosure rating and rugged housing.



Data collection in production: Traceability of products and processes through reliable code identification.



Mobile volume detection of piece goods and pallets. The code is detected by the hand-held scanner and the volume measurement is started.



Compact, very rugged, and shock resistant for harsh and demanding day-to-day work in industrial environments



For standard applications: Reliable code reading has never been easier

The standard variants of the IDM mobile handheld scanners safely and reliably detect 1D and 2D codes as well as all common stacked codes such as PDF417. Thanks to its light and ergonomic design, the scanner is easy to hold and comfortable to use.

Fast and reliable identification of 1D and 2D codes, an ergonomic design, and simple operation make the scanner ideal for daily use in a very wide range of less harsh applications.



Correct identification of sample bar codes in clinical analysis without manual data entry. A single device for different codes.



Mobile identification of placement material. Fast code identification in any orientation thanks to integrated matrix camera.



The mobile handheld scanner is suitable for reading 1D, 2D, and stacked codes during the collection of consignments.



Cost-effective: Fast and reliable identification of 1D and 2D codes for daily use in a very wide range of less harsh applications



Technical data overview

Application	Standard application, Industrial application (depending on type)
Readable code structures	1D codes, Stacked, 2D codes, direct-marked codes (depending on type)
Code resolution	0.076 mm ... 0.1 mm ≥ 0.07 mm ¹⁾ ≥ 0.13 mm ²⁾
Reading distance	0 mm ... 850 mm ³⁾ 20 mm ... 850 mm
Sensor	1,280 px x 800 px
Ambient operating temperature	-20 °C ... +50 °C (depending on type)
Enclosure rating	IP41 IP52 IP65 IP64 IP42 (depending on type)
Shock resistance	25 drops from 1.5 m height on concrete 25 drops from 1.8 m height on concrete 50 drops from 2 m height on concrete
Ethernet	✓, TCP/IP, Optional, over external connection module / ✓, Optional, over external connection module (depending on type)
PROFINET	✓, optional over external fieldbus module / ✓ (depending on type)
EtherCAT	✓, optional over external fieldbus module
Serial	✓ / RS-232 TTL / ✓ / RS-232 (depending on type)
PROFIBUS DP	✓, optional over external fieldbus module
USB	✓
PS/2	✓
DeviceNet™	✓, Optional, over external connection module
Bluetooth	✓
Wireless LAN	✓

¹⁾ Valid for Code 39.

²⁾ Valid for Data Matrix code.

³⁾ For details see reading field diagram.

Product description

The IDM mobile handheld scanners reliably detect 1D, 2D and stacked codes such as PDF417. Various types with an IP65 enclosure rating and with or without cables are available: The devices meet both the simple and demanding requirements of industrial applications and are suitable for a variety of fields of application and ambient conditions. Thanks to their low weight, light and ergonomic shape, and read confirmation, the mobile handheld scanners are easy to operate. SICK also offers battery-free, durable wireless variants with a quickly rechargeable supercapacitor. SICK has suitable connection modules for integrating the devices into industrial fieldbuses.

At a glance

- Reliable identification of common 1D and 2D codes (including PDF417)
- Rugged housing
- Integration into industrial fieldbuses using SICK connection technology
- Good read confirmation via LED, beeper and vibration
- Wireless variants with UltraCap™: durable, quickly charged and easy to ship (no hazardous goods transport required)

Your benefits

- Quick and accurate identification even of poorly printed bar codes eliminates the need to enter data manually
- Highly reliable thanks to the rugged housing with an enclosure rating of IP65
- Easy focusing of barcodes using a clearly visible aiming aid
- Simple and flexible integration into industrial fieldbus networks using SICK connection technology
- Simple and intuitive operation through multiple read confirmation
- Easy configuration: Either by scanning a single barcode or using intuitive software
- Easy replacement of conventional batteries with an UltraCap™ supercapacitor

Fields of application

- Production control and traceability of products and components in the automotive, electronics, solar and consumer goods industries
- Warehouses and distribution centers, e.g., incoming goods, order picking, and dispatch

Ordering information

Other models and accessories → www.sick.com/IDM

- **Readable code structures:** 1D codes
- **Reading distance:** 0 mm ... 400 mm (For details see reading field diagram.)
- **Code resolution:** 0.1 mm
- **Scanner design:** Cable connection variant
- **Application:** Standard application
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)
- **Ambient operating temperature:** -10 °C ... +50 °C

Communication interface	Type	Part no.
Ethernet, PROFINET, EtherCAT®, Serial, PROFIBUS DP	IDM120-3 RS-232 Power Kit	1061156
	IDM12x-3 RS-232 kit	6050058
Ethernet, PROFINET, EtherCAT®, Serial, PROFIBUS DP, USB, PS/2	IDM12x-301B	6050059
PS/2	IDM12x-3 PS/2 kit	6050057
USB	IDM120-3 USB Kit	6050056

- **Readable code structures:** 1D codes, Stacked
- **Reading distance:** 0 mm ... 400 mm (For details see reading field diagram.)
- **Code resolution:** 0.1 mm
- **Scanner design:** Cable connection variant
- **Application:** Standard application
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)
- **Ambient operating temperature:** -10 °C ... +50 °C

Communication interface	Type	Part no.
Ethernet, PROFINET, EtherCAT®, Serial, PROFIBUS DP	IDM12x-3PDF RS-232 kit	6050062
	IDM12x-3PDF RS-232 power supply kit	1061157
Ethernet, PROFINET, EtherCAT®, Serial, PROFIBUS DP, USB, PS/2	IDM12x-3PDF01B	6050063
PS/2	IDM120-3PDF PS/2 Kit	6050061
USB	IDM12x-3PDF USB kit	6050060

- **Readable code structures:** 1D codes
- **Reading distance:** 50 mm ... 600 mm (For details see reading field diagram.)
- **Code resolution:** ≥ 0.076 mm
- **Application:** Standard application
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

Scanner design	Communication interface	Ambient operating temperature	Type	Part no.
Cable connection variant	-	-	IDM140 PS/2 Kit	6040982
			IDM140 RS-232 Power Kit	6041017
			IDM140-2 CDF600-2100 PROFIBUS Kit	1063765
			IDM140-2 CDF600-2103 PROFIBUS Kit	1063766
	Ethernet, PROFINET, EtherCAT®, Serial, PROFIBUS DP, DeviceNet™, USB, PS/2	0 °C ... +50 °C	IDM140-201D	6040985

Scanner design	Communication interface	Ambient operating temperature	Type	Part no.
Wireless variant	-	-	IDM140 WLAN Kit	6043431
			IDM140BT Charging Kit	6040993
			IDM140BT PS/2 Kit	6040990
			IDM140BT RS-232 Kit	6040992
			IDM140BT USB Kit	6040991
			IDM140PDF BT Charging Kit	6040997
	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , USB, PS/2, Bluetooth	0 °C ... +50 °C	IDM140-2BT	6036729
Wireless LAN	0 °C ... +50 °C	IDM140-2WLAN12D	6043433	

- **Readable code structures:** 1D codes, Stacked
- **Reading distance:** 50 mm ... 600 mm (For details see reading field diagram.)
- **Code resolution:** ≥ 0.076 mm
- **Application:** Standard application
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

Scanner design	Communication interface	Ambient operating temperature	Type	Part no.
Cable connection variant	-	-	IDM140PDF PS/2 Kit	6040986
			IDM140PDF RS-232 Kit	6041018
			IDM140PDF USB Kit	6040987
	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , USB, PS/2	0 °C ... +50 °C	IDM140-2PDF01D	6040989
Wireless variant	-	-	IDM140PDF BT PS/2 Kit	6040994
			IDM140PDF BT RS-232 Kit	6040996
			IDM140PDF BT USB Kit	6040995
			IDM140PDF WLAN Kit	6043432
	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , USB, PS/2, Bluetooth	0 °C ... +50 °C	IDM140-2PDFBT	6036730
	Wireless LAN	0 °C ... +50 °C	IDM140-2PDFWLAN12D	6043434

- **Readable code structures:** 1D codes
- **Reading distance:** 20 mm ... 850 mm (For details see reading field diagram.)
- **Code resolution:** ≥ 0.076 mm
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

Scanner design	Application	Communication interface	Ambient operating temperature	Type	Part no.
Cable connection variant	Industrial application	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP	-10 °C ... +50 °C	IDM160-300S RS-232 Kit	6054546
				IDM160-300S RS-232 Power Kit	1070949
		Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, USB, PS/2	-10 °C ... +50 °C	IDM160-300S	6054544
				USB	IDM160-300S USB Kit
	Standard application	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP	-10 °C ... +50 °C	IDM140-300S RS-232 Kit	6054540
				IDM140-300S RS-232 Power Kit	1070948
		Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, USB, PS/2	-10 °C ... +50 °C	IDM140-300S	6054538
				USB	IDM140-300S USB Kit

Scanner design	Application	Communication interface	Ambient operating temperature	Type	Part no.
Wireless variant	Industrial application	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, Bluetooth	-20 °C ... +50 °C	IDM161-300S RS-232 Kit	6054558
		Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, USB, PS/2, Bluetooth	-20 °C ... +50 °C	IDM161-300S	6054556
		USB	-20 °C ... +50 °C	IDM161-300S USB Kit	6054557
		USB, Wireless LAN	-20 °C ... +50 °C	IDM162-300S USB Kit	6054567
		Wireless LAN	-20 °C ... +50 °C	IDM162-300S	6054566
	Standard application	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, Bluetooth	-10 °C ... +50 °C	IDM141-300S RS-232 Kit	6054552
		Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, USB, PS/2, Bluetooth	-10 °C ... +50 °C	IDM141-300S	6054550
		USB	-10 °C ... +50 °C	IDM141-300S USB Kit	6054551
		USB, Wireless LAN	-10 °C ... +50 °C	IDM142-300S USB Kit	6054563
		Wireless LAN	-10 °C ... +50 °C	IDM142-300S	6054562

- **Readable code structures:** 1D codes, Stacked
- **Reading distance:** 20 mm ... 850 mm (For details see reading field diagram.)
- **Code resolution:** ≥ 0.076 mm
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

Scanner design	Application	Communication interface	Ambient operating temperature	Type	Part no.
Cable connection variant	Industrial application	Ethernet, PROFINET,	-10 °C ... +50 °C	IDM160-310S	6054547
	Standard application	EtherCAT [®] , Serial, PROFIBUS DP, USB, PS/2	-10 °C ... +50 °C	IDM140-310S	6054541

Scanner design	Application	Communication interface	Ambient operating temperature	Type	Part no.	
Wireless variant	Industrial application	Ethernet, PROFINET, Ether-CAT [®] , Serial, PROFIBUS DP, USB, PS/2, Bluetooth	-20 °C ... +50 °C	IDM161-310S	6054559	
				IDM161-310S Basic Kit	6054793	
		USB, Wireless LAN	-20 °C ... +50 °C	IDM162-310S USB Kit	6054569	
	Wireless LAN	-20 °C ... +50 °C	IDM162-310S	6054568		
	Standard application	Ethernet, PROFINET, Ether-CAT [®] , Serial, PROFIBUS DP, USB, PS/2, Bluetooth	-10 °C ... +50 °C	IDM141-310S	6054553	
				USB, Wireless LAN	-10 °C ... +50 °C	IDM142-310S USB Kit
Wireless LAN				-10 °C ... +50 °C	IDM142-310S	6054564

- **Readable code structures:** 1D codes, Stacked
- **Reading distance:** 20 mm ... 850 mm
- **Code resolution:** ≥ 0.076 mm
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

Scanner design	Application	Communication interface	Ambient operating temperature	Type	Part no.		
Cable connection variant	Industrial application	Ethernet, PROFINET, Ether-CAT [®] , Serial, PROFIBUS DP	-10 °C ... +50 °C	IDM160-411S RS232 Kit	6080734		
				Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, USB	-10 °C ... +50 °C	IDM160-411S	6080732
				USB	-10 °C ... +50 °C	IDM160-411S USB Kit	6080733
	Standard application	Ethernet, PROFINET, Ether-CAT [®] , Serial, PROFIBUS DP	-10 °C ... +50 °C	IDM140-411S RS232 Kit	6080731		
				Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, USB	-10 °C ... +50 °C	IDM140-411S	6080729
				USB	-10 °C ... +50 °C	IDM140-411S USB Kit	6080730

Scanner design	Application	Communication interface	Ambient operating temperature	Type	Part no.
Wireless variant	Industrial application	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, Bluetooth	-20 °C ... +50 °C	IDM161-411S RS232 Kit	6080747
		Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, USB, Bluetooth	-20 °C ... +50 °C	IDM161-411S	6080745
				IDM161E-411S	6086914
				IDM161E-411S RS232 Kit	1144319
				IDM161E-411S USB Kit	1144318
	USB	-20 °C ... +50 °C	IDM161-411S USB Kit	6080746	
	Standard application	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, Bluetooth	-10 °C ... +50 °C	IDM141-411S RS232 Kit	6080744
		Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, USB, Bluetooth	-10 °C ... +50 °C	IDM141-411S	6080742
				IDM141E-411S	6086913
				IDM141E-411S RS232 Kit	1144325
				IDM141E-411S USB Kit	1144324
	USB	-10 °C ... +50 °C	IDM141-411S USB Kit	6080743	

- **Readable code structures:** 1D codes
- **Reading distance:** 50 mm ... 800 mm (For details see reading field diagram.)
- **Code resolution:** ≥ 0.076 mm
- **Application:** Industrial application
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

Scanner design	Communication interface	Ambient operating temperature	Type	Part no.
Cable connection variant	-	-	IDM160 CDF600-2100 PROFIBUS Kit	1063767
			IDM160 CDF600-2103 PROFIBUS Kit	1063768
			IDM160 PS/2 Kit	6045076
			IDM160 RS-232 Kit	6045077
			IDM160 RS-232 Power Supply Kit	1056245
			IDM160 USB Kit	6045058
	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , USB, PS/2	-20 °C ... +50 °C	IDM160-01E	6045078

Scanner design	Communication interface	Ambient operating temperature	Type	Part no.
Wireless variant	-	-	IDM160 WLAN Kit	6045062
			IDM160BT PS/2 Kit	6045082
			IDM160BT RS-232 Kit	6045083
			IDM160BT USB Kit	6045060
	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , USB, PS/2, Bluetooth	-20 °C ... +50 °C	IDM160-BT11E	6045085
Wireless LAN	-10 °C ... +50 °C	IDM160-WLAN12E	6047650	

- **Readable code structures:** 1D codes, Stacked
- **Reading distance:** 50 mm ... 800 mm (For details see reading field diagram.)
- **Code resolution:** ≥ 0.076 mm
- **Application:** Industrial application
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

Scanner design	Communication interface	Ambient operating temperature	Type	Part no.
Cable connection variant	-	-	IDM160PDF PS/2 Kit	6045079
			IDM160PDF RS-232 Power Supply Kit	1056246
			IDM160PDF USB Kit	6045059
	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , USB, PS/2	-20 °C ... +50 °C	IDM160-PDF01E	6045081
Wireless variant	-	-	IDM160PDF BT PS/2 Kit	6045086
			IDM160PDF BT RS-232 Kit	6045087
			IDM160PDF BT USB Kit	6045061
			IDM160PDF WLAN Kit	6045063
	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , USB, PS/2, Bluetooth	-20 °C ... +50 °C	IDM160-PDFBT11E	6045088
	Wireless LAN	-10 °C ... +50 °C	IDM160-PDFWLAN12E	6047651

- **Readable code structures:** 1D codes, 2D codes, Stacked
- **Reading distance:** 30 mm ... 160 mm (For details see reading field diagram.)
- **Code resolution:** ≥ 0.07 mm (Valid for Code 39.), ≥ 0.13 mm (Valid for Data Matrix code.)
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

Scanner design	Application	Communication interface	Ambient operating temperature	Type	Part no.		
Cable connection variant	Industrial application	Ethernet, PROFINET, Ether-CAT [®] , Serial, PROFIBUS DP, DeviceNet [™]	-	IDM260-100H RS-232 Kit	6050657		
				IDM260-100H RS-232 Power Kit	1064988		
		Ethernet, PROFINET, Ether-CAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , USB, PS/2	-20 °C ... +50 °C	IDM260-100H		6050655	
				PS/2	-	IDM260-100H PS/2 Kit	1064987
				USB	-	IDM260-100H USB Kit	6050656
		Standard application	Ethernet, PROFINET, Ether-CAT [®] , Serial, PROFIBUS DP, DeviceNet [™]	-	IDM240-100H RS-232 Kit	6050648	
	IDM240-100H RS-232 Power Kit				1064984		
	Ethernet, PROFINET, Ether-CAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , USB, PS/2		-10 °C ... +50 °C	IDM240-100H		6050646	
				PS/2	-	IDM240-100H PS/2 Kit	1064983
				USB	-	IDM240-100H USB Kit	6050647

Scanner design	Application	Communication interface	Ambient operating temperature	Type	Part no.
Wireless variant	Industrial application	Ethernet, PROFINET, Ether-CAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , Bluetooth	–	IDM261-100H RS-232 Kit	6053059
		Ethernet, PROFINET, Ether-CAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , USB, PS/2, Bluetooth	–20 °C ... +50 °C	IDM261-100H	6053057
		USB, Bluetooth	–	IDM261-100H USB Kit	6053058
	Standard application	Ethernet, PROFINET, Ether-CAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , Bluetooth	–	IDM241-100H RS-232 Kit	6053053
			–10 °C ... +50 °C	IDM241-100H	6053051
		USB, Bluetooth	–	IDM241-100H USB Kit	6053052

- **Readable code structures:** 1D codes, 2D codes, Stacked
- **Reading distance:** 30 mm ... 380 mm (For details see reading field diagram.)
- **Code resolution:** ≥ 0.13 mm (Valid for Code 39.), ≥ 0.25 mm (Valid for Data Matrix code.)
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

Scanner design	Application	Communication interface	Ambient operating temperature	Type	Part no.		
Cable connection variant	Industrial application	Ethernet, PROFINET, Ether-CAT [®] , Serial, PROFIBUS DP, DeviceNet [™]	-	IDM260-100S RS-232 Kit	6050654		
				IDM260-100S RS-232 Power Kit	1064990		
		PS/2	-	IDM260-100S PS/2 Kit	1064989		
		USB	-	IDM260-100S USB Kit	6050653		
	Standard application	Ethernet, PROFINET, Ether-CAT [®] , Serial, PROFIBUS DP, DeviceNet [™]	-	IDM240-100S RS-232 Kit	6050645		
				IDM240-100S RS-232 Power Kit	1064986		
		Ethernet, PROFINET, Ether-CAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , USB, PS/2	-10 °C ... +50 °C	IDM240-100S		6050643	
				PS/2	-	IDM240-100S PS/2 Kit	1064985
				USB	-	IDM240-100S USB Kit	6050644
				PS/2	-	IDM240-100S PS/2 Kit	1064985
USB	-	IDM240-100S USB Kit	6050644				
Wireless variant	Industrial application	Ethernet, PROFINET, Ether-CAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , Bluetooth	-	IDM261-100S RS-232 Kit	6053056		
				IDM261-100S	6053054		
		USB, Bluetooth	-	IDM261-100S USB Kit	6053055		
	Standard application	Ethernet, PROFINET, Ether-CAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , Bluetooth	-	IDM241-100S RS-232 Kit		6053050	
				IDM241-100S		6053048	
		Ethernet, PROFINET, Ether-CAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , USB, PS/2, Bluetooth	-10 °C ... +50 °C	IDM241-100S		6053048	
				USB, Bluetooth	-	IDM241-100S USB Kit	6053049

- **Readable code structures:** 1D codes, 2D codes, Stacked
- **Reading distance:** 30 mm ... 400 mm
- **Code resolution:** ≥ 0.07 mm (Valid for Code 39.),, ≥ 0.13 mm (Valid for Data Matrix code.)
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

Scanner design	Application	Communication interface	Ambient operating temperature	Type	Part no.
Cable connection variant	Industrial application	Ethernet, PROFINET, EtherCAT®, Serial, PROFIBUS DP	-20 °C ... +50 °C	IDM260-311S RS-232 Kit	6068394
				IDM260-411S RS232 Kit	6080741
		Ethernet, PROFINET, EtherCAT®, Serial, PROFIBUS DP, USB	-20 °C ... +50 °C	IDM260-311S	6068392
				IDM260-411S	6080738
		USB	-20 °C ... +50 °C	IDM260-311S USB Kit	6068393
				IDM260-411S USB Kit	6080740
	Standard application	Ethernet, PROFINET, EtherCAT®, Serial, PROFIBUS DP	-10 °C ... +50 °C	IDM240-311S RS-232 Kit	6068391
				IDM240-411S RS232 Kit	6080737
		Ethernet, PROFINET, EtherCAT®, Serial, PROFIBUS DP, USB	-10 °C ... +50 °C	IDM240-311S	6068389
				IDM240-411S	6080735
		USB	-10 °C ... +50 °C	IDM240-311S USB Kit	6068390
				IDM240-411S USB Kit	6080736

Scanner design	Application	Communication interface	Ambient operating temperature	Type	Part no.
Wireless variant	Industrial application	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, Bluetooth	-20 °C ... +50 °C	IDM261-311S RS-232 Kit	6068402
				IDM261-411S RS232 Kit	6080753
		Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, USB, Bluetooth	-20 °C ... +50 °C	IDM261-311S	6068400
				IDM261-411S	6080751
				IDM261E-411S	6086916
				IDM261E-411S RS232 Kit	1144316
				IDM261E-411S USB Kit	1144233
		USB	-20 °C ... +50 °C	IDM261-311S USB Kit	6068401
				IDM261-411S USB Kit	6080752
	Standard application	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, Bluetooth	-10 °C ... +50 °C	IDM241-311S RS-232 Kit	6068398
				IDM241-411S RS232 Kit	6080750
		Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, USB, Bluetooth	-10 °C ... +50 °C	IDM241-311S	6068396
				IDM241-411S	6080748
				IDM241E-411S	6086915
				IDM241E-411S RS232 Kit	1144322
				IDM241E-411S USB Kit	1144321
		USB	-10 °C ... +50 °C	IDM241-311S USB Kit	6068397
				IDM241-411S USB Kit	6080749

- **Readable code structures:** 1D codes, 2D codes, Stacked, direct-marked codes
- **Reading distance:** 30 mm ... 160 mm (For details see reading field diagram.)
- **Code resolution:** ≥ 0.07 mm (Valid for Code 39.), ≥ 0.13 mm (Valid for Data Matrix code.)
- **Application:** Industrial application
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

Scanner design	Communication interface	Ambient operating temperature	Type	Part no.
Cable connection variant	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , USB, PS/2	-20 °C ... +50 °C	IDM260-120H	1068862
Wireless variant	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, DeviceNet [™] , USB, PS/2, Bluetooth	-	IDM261-120H Basic Kit	1070926
		-20 °C ... +50 °C	IDM261-120H	1070925

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