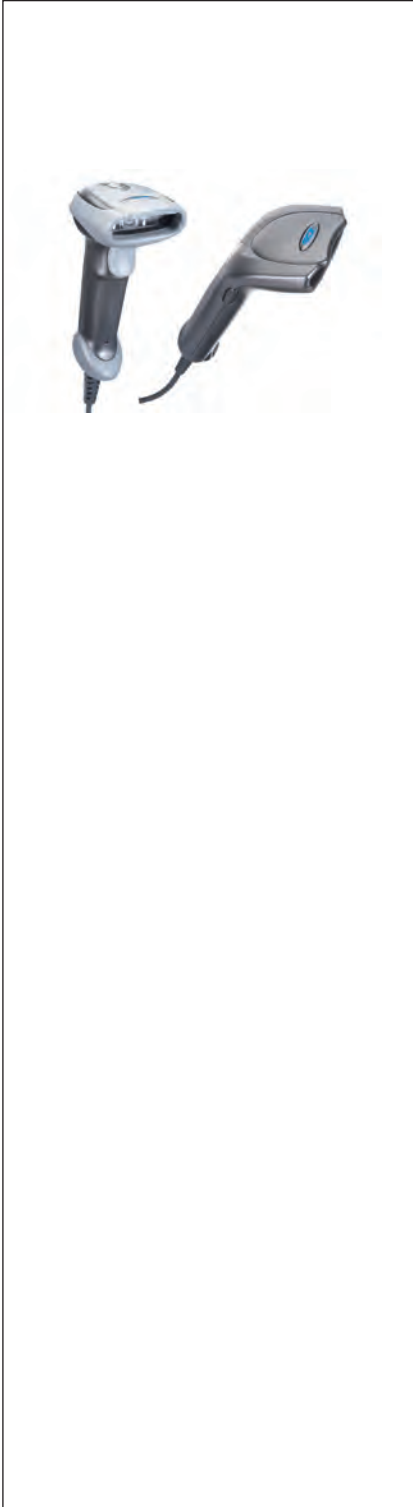


## Reliable and easy identification of bar codes



### Product description

The IDM products are able to solve a wide range of bar code identification tasks. The devices are working with powerful linear imaging technology. This enables the devices to read all popular bar codes reliably and fast. Depending on the product version codes can be scanned with a scan rate of up to 500 scans/second. So the scanning time is reduced and productivity increases. All devices have ergonomic shapes, can be

connected easily and used intuitively. Repeated drops do not harm the devices. The combination of reading performance, robustness, ergonomic design and attractive pricing makes the IDM Scanners an ideal solution for various applications within different areas such as office automation, libraries, warehouse and logistics or general factory automation.

### At a glance

- Identification of all popular bar codes and with PDF type also stacked codes (e.g. PDF417)
- Scan rate up to 500 scans/second
- Identification of codes with 0,076 mm cell size

### Your benefits

- Increased productivity thanks to high scan speed
- High user comfort through ergonomic housing design and low weight
- Reliable Identification of bad quality bar codes - no manual data collection needed

## Detailed technical specifications

### Features

	IDM120	IDM140	IDM140-2	IDM140-2 Bluetooth
Scanner design	Linear imager hand-held scanner			
Light source	Visible red light (660 nm)	Visible red light (630 nm)		
Scanning frequency	≤ 200 Hz	≤ 500 Hz		
Code resolution	≥ 0.1 mm		≥ 0.076 mm	
Reading distance (at code resolution)	0 mm ... 150 mm (0.5 mm)	30 mm ... 320 mm (0.5 mm)	20 mm ... 410 mm (0.33 mm)	
Read field (at distance)	120 mm (150 mm)	150 mm (200 mm)		

### Performance

	IDM120	IDM140	IDM140-2	IDM140-2 Bluetooth
Supported code type	1D		1D / 1D, Stacked (depending on type)	
Bar code types	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, depending on type more bar code types supported (e.g. PDF417)			
Battery power				Over 45,000 scans with full battery
Batch function				5000 Codes (EAN)

### Interfaces

	IDM120	IDM140	IDM140-2	IDM140-2 Bluetooth
Serial	✓			
Function	RS232 TTL			
Ethernet	-, Optionally via external connection module (CDM + CMF)			
CAN-Bus	-, Optionally via external connection module (CAN232)			
PROFIBUS	-, Optionally via external connection module (CDM + CMF)			
DeviceNet	-, Optionally via external connection module (CDM + CMF)			
PS/2	✓			
Function	Keyboard wedge			
USB	✓		✓	
Function	Keyboard wedge		Keyboard wedge, COM-Port emulation	
Bluetooth				✓ Wireless operating range 30 m (free view), batch function for expansion of the wireless radius Bluetooth™ V2.1 EDR, 2.4 ... 2.4835 GHz
Optical indicators	2 LED (Good Read)	2 LED (Operational status, Good Read)		2 LED (Good Read, Charge of battery, Radio connection status)
Acoustic indicators	Beeper, disengageable (Good Read)			

**Mechanics/electronics**

	IDM120	IDM140	IDM140-2	IDM140-2 Bluetooth
Operating voltage	5 V DC, $\pm 5\%$			
Housing color	Black	Black/gray		
Enclosure rating	IP 41			
Weight	130 g	160 g	230 g	
Dimensions	230 mm x 170 mm x 100 mm	97.8 mm x 70.5 mm x 156.2 mm		

**Ambient data**

	IDM120	IDM140	IDM140-2	IDM140-2 Bluetooth
EMC reliability	25 drops from 1.5 m height on concrete	25 drops from 1.6 m height on concrete	25 drops from 1.8 m height on concrete	
Ambient operating temperature	0 °C ... +50 °C			
Storage temperature	-20 °C ... +60 °C		-40 °C ... +70 °C	
Permissible relative humidity	95 %, Non-condensing			
Ambient light safety	10,000 lx	70,000 lx	100,000 lx	

**Ordering information**

Sub product family	Field of application	Type	Items supplied	Product	Part number	
IDM120	General purpose	Short Range	Single scanner	–	IDM120-01B	6036716
			Kit	PS/2-Kit; contains hand held scanner, 2 m straight PS/2-keyboard wedge cable and quick start guide	IDM120-01B K01	6036713
				USB-Keyboard-Kit; contains hand held scanner, 1.8 m straight USB cable and quick start guide	IDM120-01B K02	6036714
				RS232-Kit; contains hand held scanner, 1.8 m straight RS232-TTL cable and quick start guide	IDM120-01B K03	6036715
				PS/2 and holder combi kit; contains hand held scanner, 2 m straight PS/2-keyboard wedge cable, holder and quick start guide	IDM120 PS/2 plus Holder Combi Kit	6037547
				RS232 power supply kit; includes a hand-held scanner, 1.8 m smooth RS-232-TTL cable, power supply and a short guide	IDM120 RS232 Power Supply Kit	1046546
				RS232 power supply and table holder combi-kit; includes a hand-held scanner, 1.8 m smooth RS-232-TTL cable, power supply and a short guide	IDM120 RS232 Power Supply plus Holder Combi Kit	6037549
				USB-Keyboard and holder combi Kit; contains hand held scanner, 1.8 m straight USB cable, holder and quick start guide	IDM120 USB plus Holder Combi Kit	6037548

Sub product family	Field of application	Type	Items supplied	Product	Part number	
IDM140	General purpose	Standard Range	Single scanner	–	IDM140-01C	6036721
			Kit	RS232-Kit; contains hand held scanner, 1.8 m straight RS232-TTL cable and quick start guide	IDM140-01C K03	6036720
				USB-Keyboard-Kit; contains hand held scanner, 1.8 m straight USB cable and quick start guide	IDM140-01C K02	6036719
				PS/2-Kit; contains hand held scanner, 2 m straight PS/2-keyboard wedge cable and quick start guide	IDM140-01C K01	6036717
				PS/2 and stand combi kit; contains hand held scanner, 2 m straight PS/2-keyboard wedge cable, stand and quick start guide	IDM140 PS/2 plus Stand Combi Kit	6037550
				RS232 power supply kit; includes a hand-held scanner, 1.8 m smooth RS-232-TTL cable, power supply and a short guide	IDM140 RS232 Power Supply Kit	1046548
				RS232 power supply plus stand combi Kit; contains hand held scanner, 1.8 m straight RS232 TTL cable, power supply, stand and quick start guide	IDM140 RS232 Power Supply plus Stand Combi Kit	6037552
				USB-Keyboard and stand combi Kit; contains hand held scanner, 1.8 m straight USB cable, stand and quick start guide	IDM140 USB plus Stand Combi Kit	6037551
IDM140-2	General purpose	Mid Range	Single scanner	–	IDM140-201D	6040985
			Kit	–	IDM140-2PDF01D	6040989
				PS/2-Kit; contains hand held scanner, 2 m straight PS/2-keyboard wedge cable and quick start guide	IDM140-2 PS/2 Kit	6040982
				RS232 power supply kit; includes a hand-held scanner, 1.8 m smooth RS-232-TTL cable, power supply and a short guide	IDM140-2 RS232 Kit	6041017
				USB-Keyboard-Kit; contains hand held scanner, 1.8 m straight USB cable and quick start guide	IDM140-2 USB Kit	6040983
				PS/2-Kit; contains hand held scanner, 2 m straight PS/2-keyboard wedge cable and quick start guide	IDM140-2PDF PS/2 Kit	6040986
				RS232 power supply kit; includes a hand-held scanner, 1.8 m smooth RS-232-TTL cable, power supply and a short guide	IDM140-2PDF RS232 Kit	6041018
				USB-Keyboard-Kit; contains hand held scanner, 1.8 m straight USB cable and quick start guide	IDM140-2PDF USB Kit	6040987
IDM140-2 Bluetooth	General purpose, cordless	Mid Range	Single scanner	Cordless scanner, battery, charging station and a power supply is included in delivery	IDM140-2BT	6040993
			Kit	–	IDM140-2PDFBT	6040997
				Kit contains cordless scanner, battery, base station, interface cable, power supply and quick start guide	IDM140-2BT PS/2 Kit	6040990
					IDM140-2BT RS232 Kit	6040992
					IDM140-2BT USB Kit	6040991
					IDM140-2PD-FBT PS/2 Kit	6040994
					IDM140-2PD-FBT RS232 Kit	6040996
					IDM140-2PD-FBT USB Kit	6040995