



IDM140-300S USB Kit

IDM

MOBILE HANDHELD SCANNERS

SICK
Sensor Intelligence.



Ordering information

Type	part no.
IDM140-300S USB Kit	6054539

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

Detailed technical data

Features

Application	Standard application
Version	Standard Range
Scanner design	Cable connection variant
Light source	LED, Visible, Red, 630 nm
Reading distance	20 mm ... 850 mm ¹⁾
Scanning frequency	≤ 500 Hz
Code resolution	≥ 0.076 mm

¹⁾ For details see reading field diagram.

Mechanics/electronics

Supply voltage	5 V DC, ± 10 %
Current consumption	Operation: 180 mA Standby: 80 mA
Housing color	Black/gray
Enclosure rating	IP41
Weight	157 g, without cable
Dimensions (L x W x H)	98 mm x 71 mm x 157 mm

Performance

Readable code structures	1D codes
Bar code types	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)

Interfaces

USB	✓
Function	Keyboard wedge, COM-Port emulation
Optical indicators	2 LEDs (operational status, good read)
Acoustic indicators	Beeper, can be switched off
Vibration	No

Configuration software	IDM Setup Tool
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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 immunity	100,000 lx

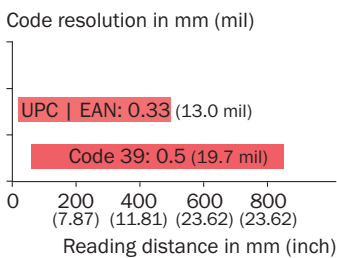
General notes

Note	Not free of paint wetting impairment substances.
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Classifications

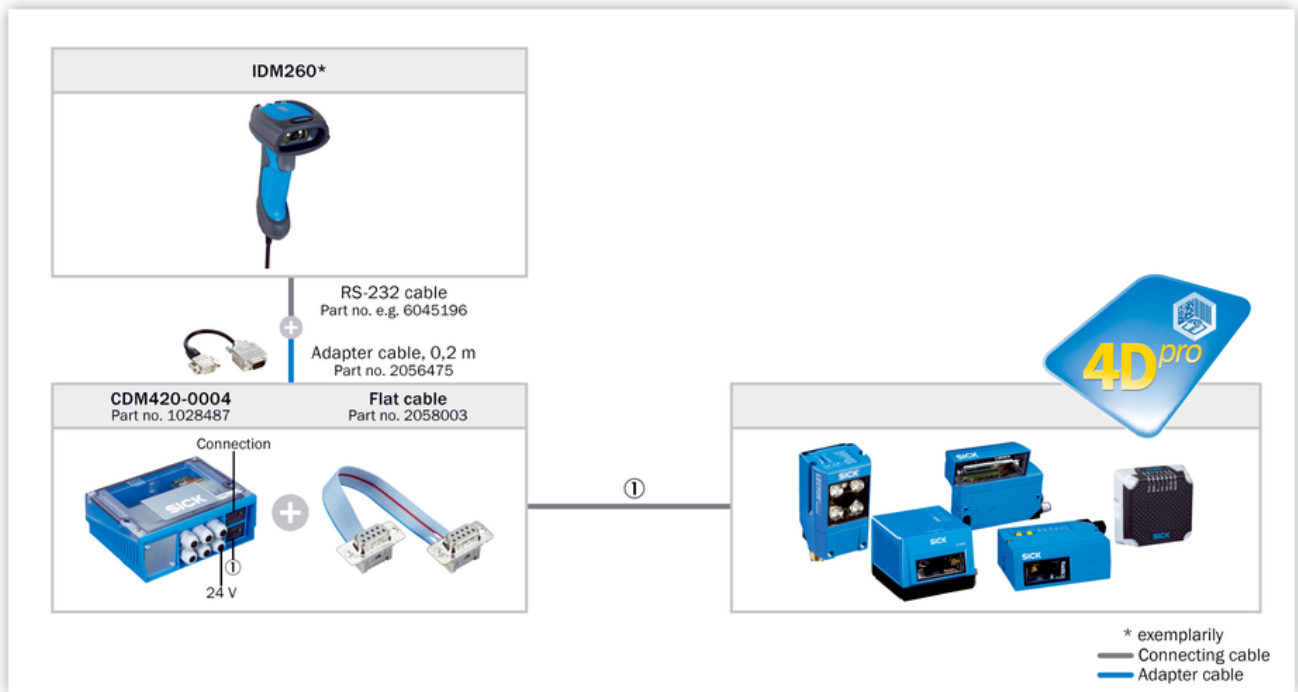
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ECLASS 5.1.4	27280101
ECLASS 6.0	27280101
ECLASS 6.2	27280101
ECLASS 7.0	27280101
ECLASS 8.0	27280101
ECLASS 8.1	27280101
ECLASS 9.0	27280101
ECLASS 10.0	27280101
ECLASS 11.0	27280101
ECLASS 12.0	27280101
ETIM 5.0	EC002550
ETIM 6.0	EC002550
ETIM 7.0	EC002550
ETIM 8.0	EC002550
UNSPSC 16.0901	43211701

Reading field diagram IDM14x-3xxS Standard Range IDM16x-3xxS Standard Range



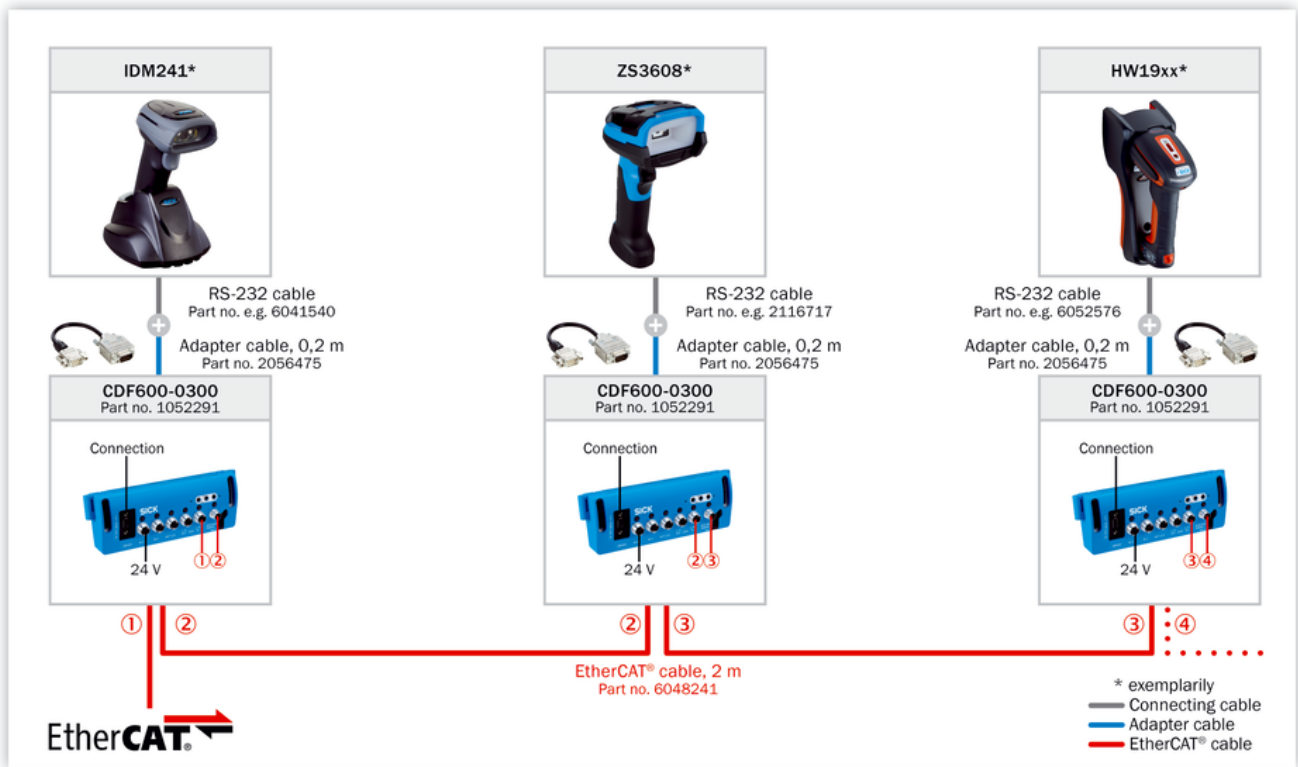
Connection diagram AUX looping

Looping-in via AUX



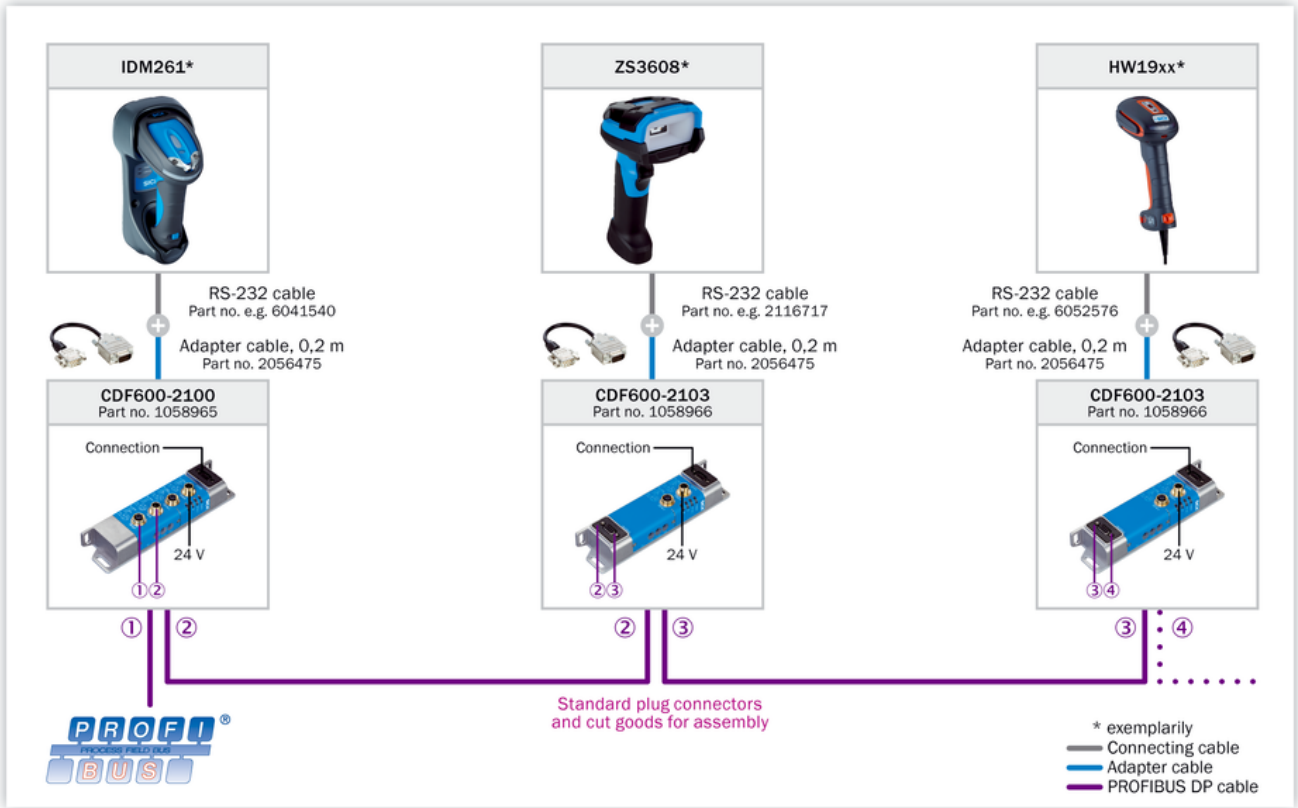
Connection diagram EtherCAT®

EtherCAT®



Connection diagram PROFIBUS DP

PROFIBUS DP



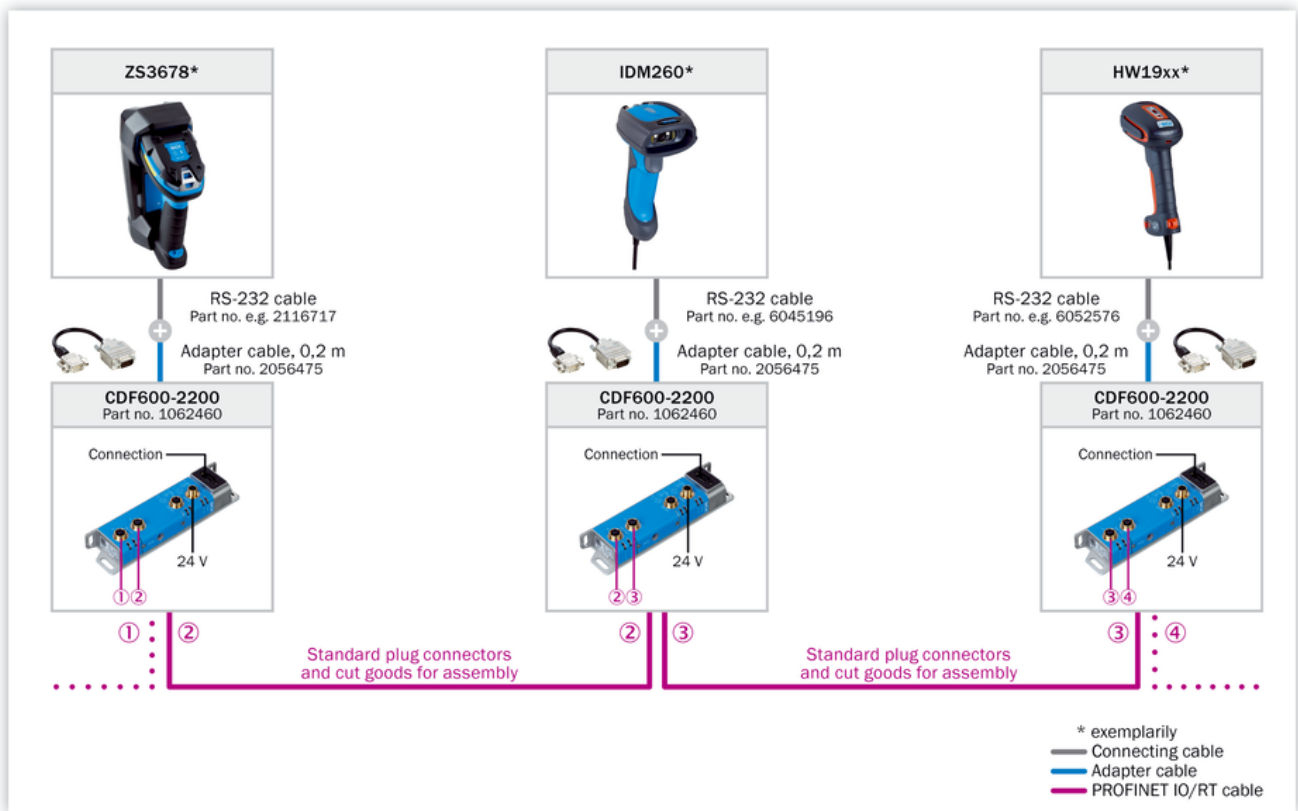
Connection diagram PROFINET IO/RT

PROFINET IO/RT



Connection diagram Ethernet TCP/IP

Ethernet TCP/IP





Selection Guide



*) For EtherNet/IP third party gateway is required from e.g. Comtrol or HMS (requires local sourcing).

Recommended accessories

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

	Brief description	Type	part no.
Mounting systems			
	<ul style="list-style-type: none">Description: Tripod mount	Stand mount	6036724
	<ul style="list-style-type: none">Description: Desk holderDimensions (W x H x L): Bore hole spacing 58 mm	Table mount	6036723

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com