SICK.COM

DATA SHEET

IDM141-300S USB Kit

IDM
Mobile handheld scanners

SICK Sensor Intelligence

MOBILE HANDHELD SCANNERS

IDM141-300S USB Kit

ORDERING INFORMATION

Type	part no.
IDM141-300S USB Kit	6054551

Further device versions and accessories at www.sick.com/IDM

DETAILED TECHNICAL DATA

FEATURES

Application	Standard application
Version	Standard Range
Scanner design	Wireless 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	3.7 V DC ... 5 V [1]
Current consumption	Operation: 180 mA Standby: 80 mA
Housing color	Black/gray
Enclosure rating	IP41
Weight	+ 230 g, incl. rechargeable battery
Dimensions (L x W x H)	97.8 mm x 70.5 mm x 156.2 mm

[1] Rechargeable battery operation.

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)
Battery power	Over 60,000 scans with full battery

Code buffer	80,000 Codes (EAN)

INTERFACES

USB	✓
Function	Keyboard wedge, COM-Port emulation
Optical indicators	2 LEDs (good read, charge of battery , radio connection status)
Acoustic indicators	Beeper, can be switched off
Vibration	No
Configuration software	IDM Setup Tool

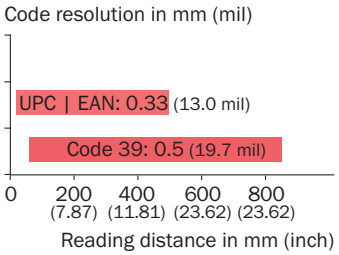
AMBIENT DATA

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

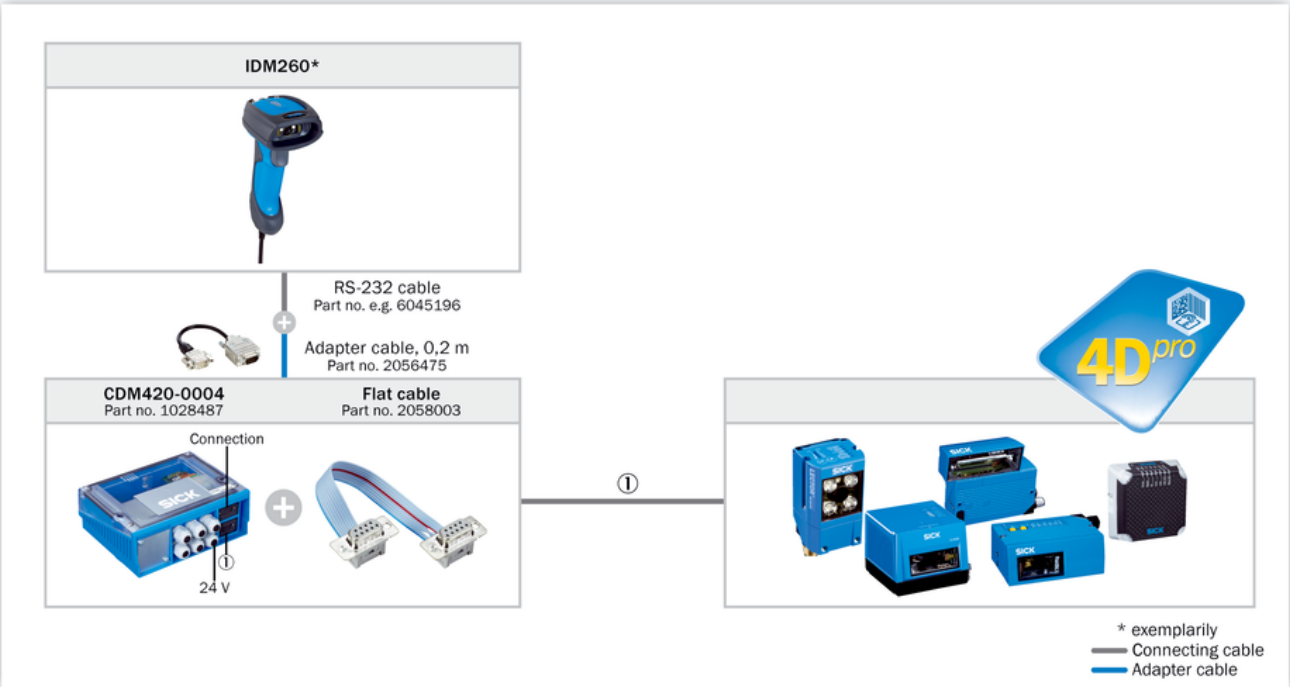
Items supplied	The rechargeable battery is included with delivery

READING FIELD DIAGRAM IDM14X-3XXS STANDARD RANGE IDM16X-3XXS STANDARD RANGE



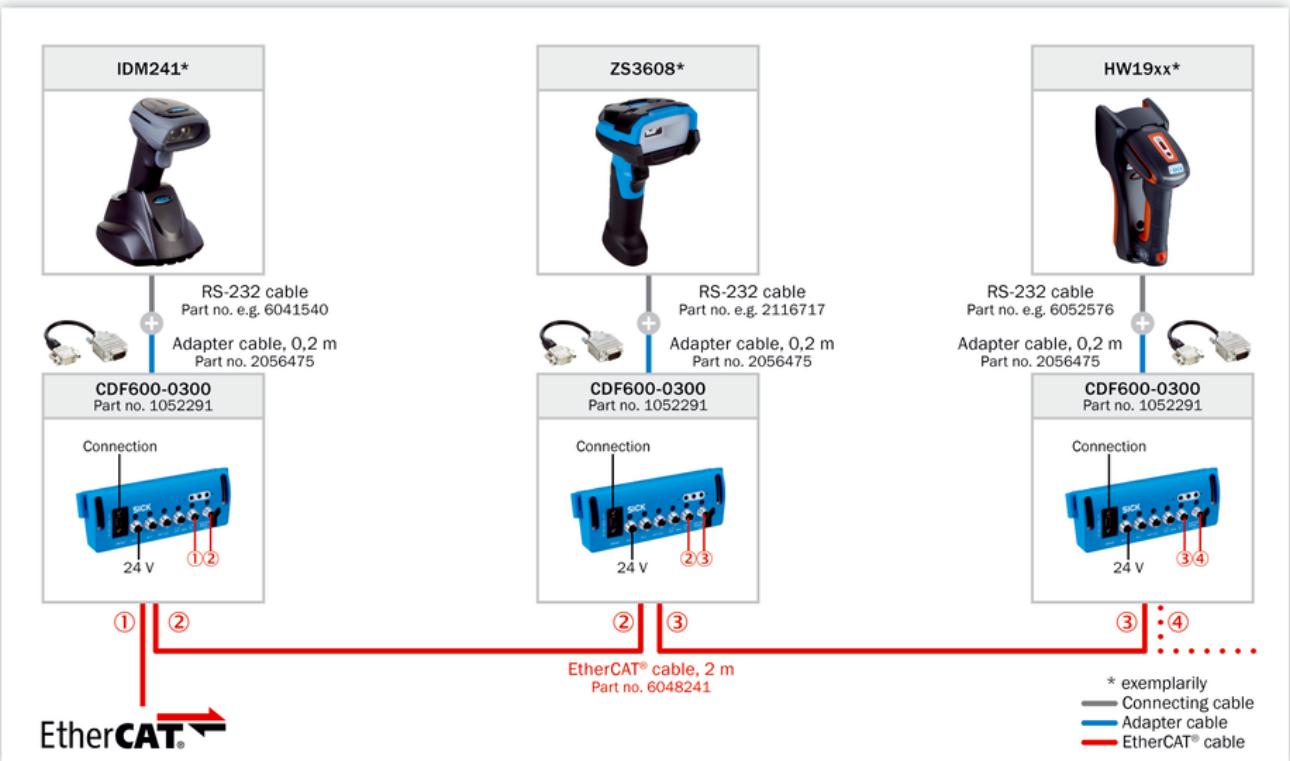
CONNECTION DIAGRAM AUX LOOPING

Looping-in via AUX



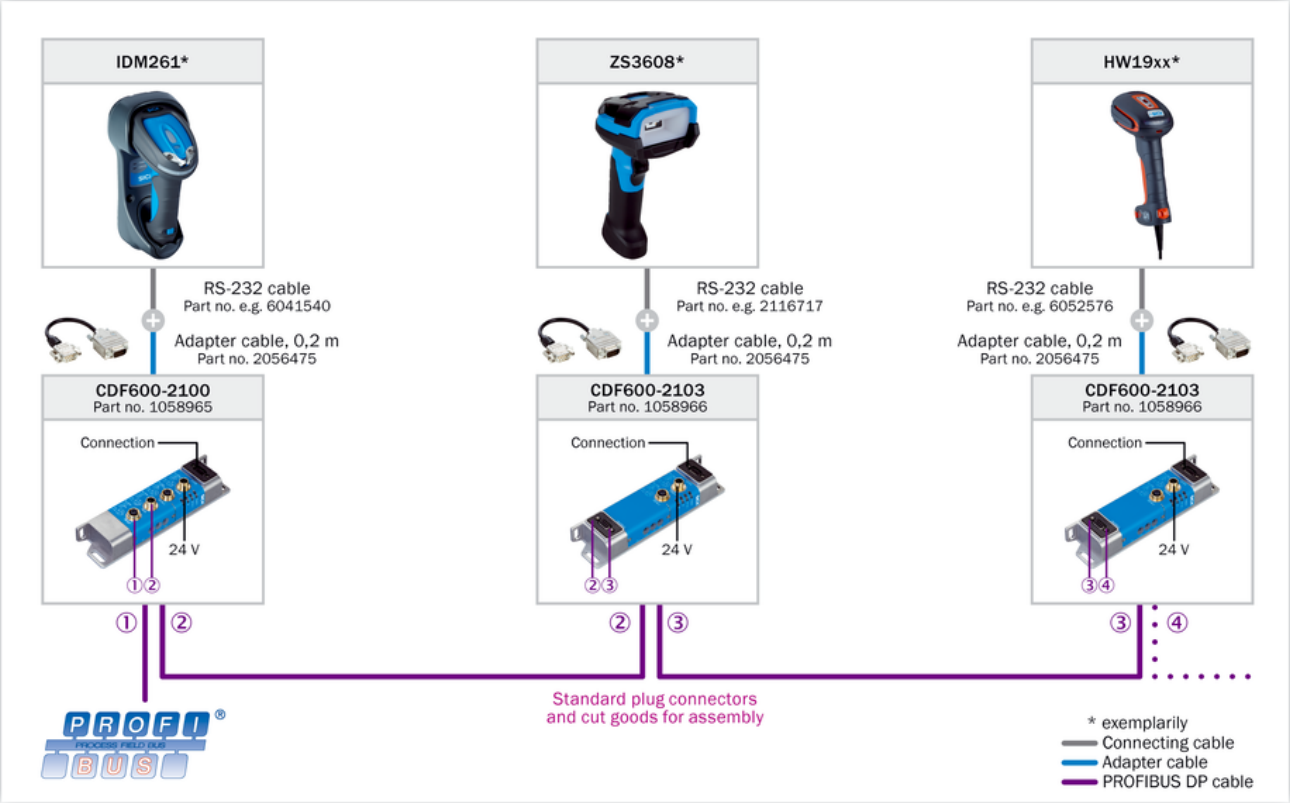
CONNECTION DIAGRAM ETHERCAT®

EtherCAT®



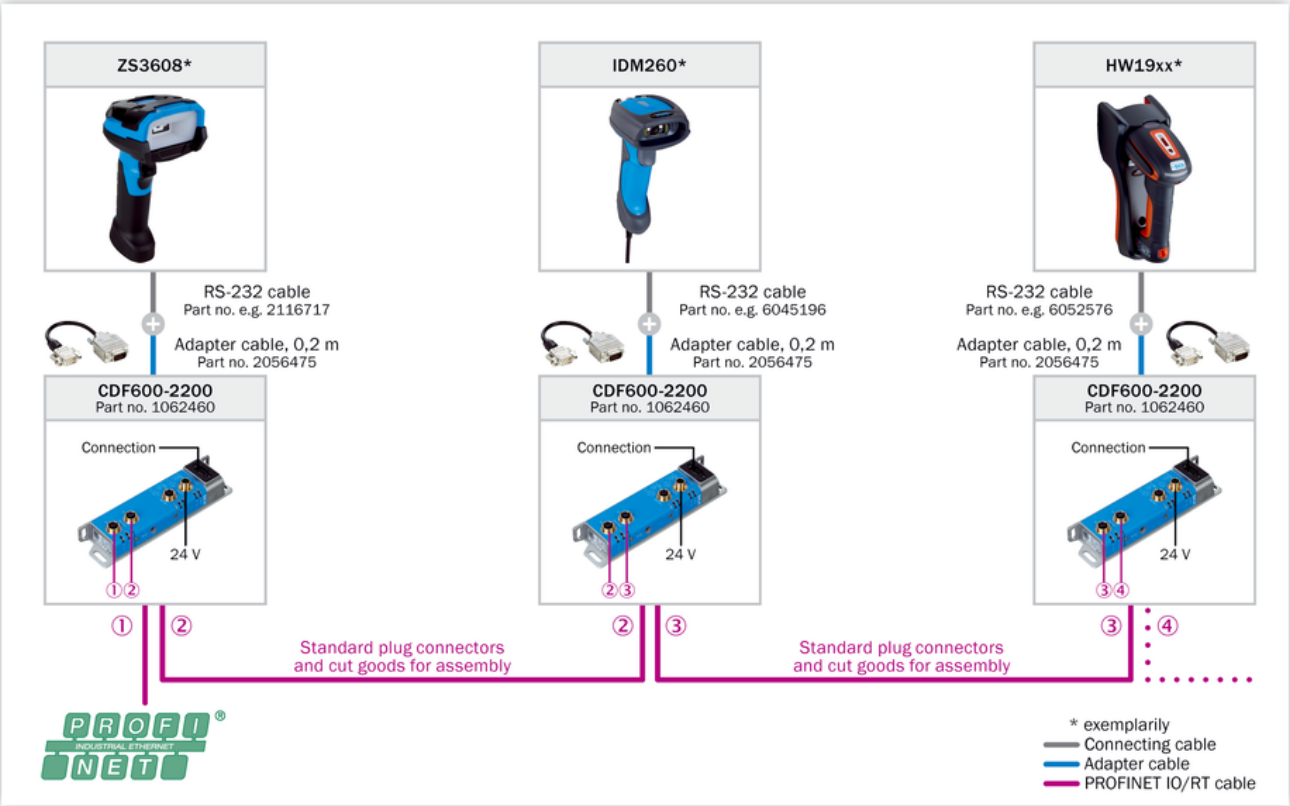
CONNECTION DIAGRAM PROFIBUS DP

PROFIBUS DP



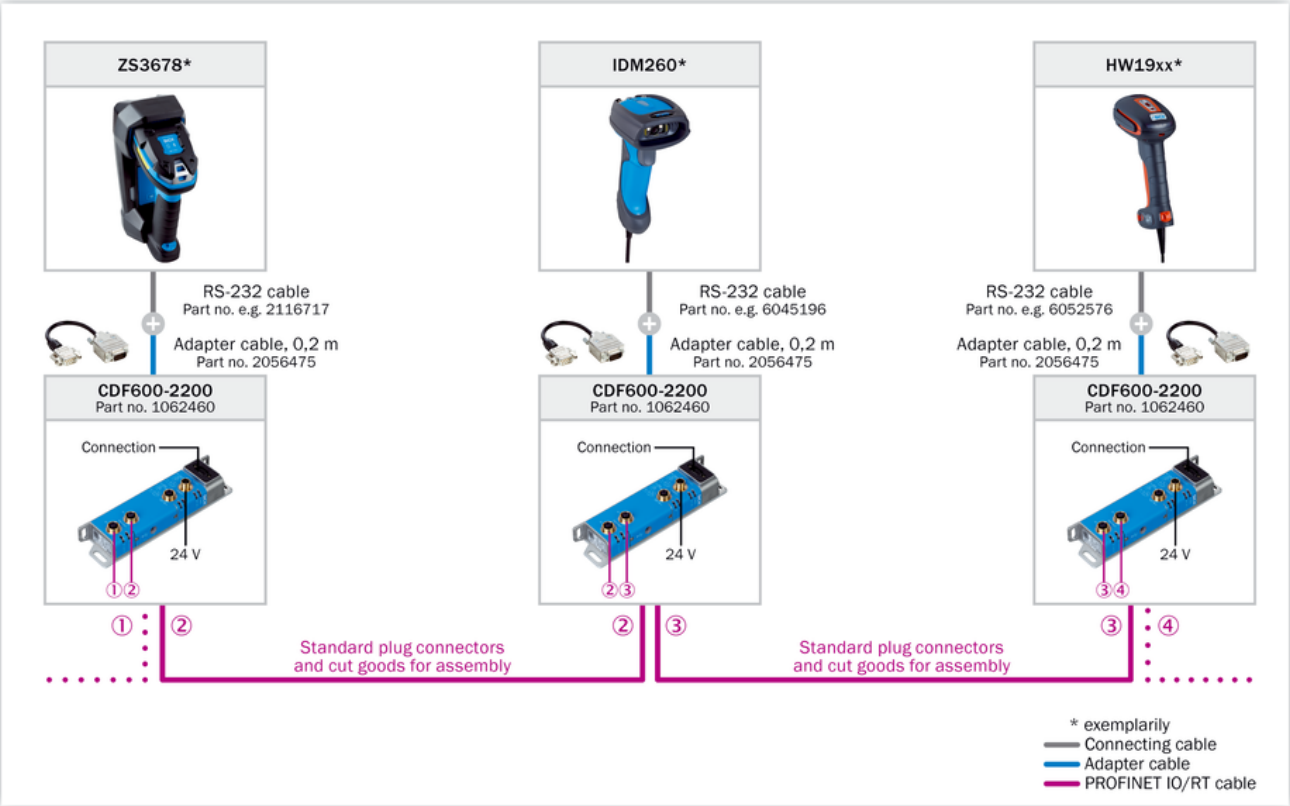
CONNECTION DIAGRAM PROFINET IO/RT

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).

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/6054551

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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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