IDM240-311S RS-232 Kit

IDM

MOBILE HANDHELD SCANNERS

SICK
Sensor Intelligence.

IDM240-311S RS-232 Kit | IDM

MOBILE HANDHELD SCANNERS

Ordering information

Type	part no.
IDM240-311S RS-232 Kit	6068391

Included in delivery: IDM240-311S (1)

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

Detailed technical data

Features

Application	Standard application
Scanner design	Cable connection variant
Sensor resolution	1,280 px x 800 px
Light source	LED, Visible, Red, 660 nm
Alignment aid	LED, Red, 630 nm
Reading distance	30 mm ... 400 mm
Code resolution	≥ 0.07 mm [1] ≥ 0.13 mm [2]

[1] Valid for Code 39.
[2] Valid for Data Matrix code.

Mechanics/electronics

Supply voltage	5 V DC, ± 10 %
Current consumption	Operation: 395 mA Standby: 220 mA
Housing color	Black, Gray
Enclosure rating	IP42
Weight	152 g, without cable
Dimensions (L x W x H)	95 mm x 70.5 mm x 161.7 mm
MTBF	100,000 h

Performance

Readable code structures	1D codes, 2D codes, Stacked
Bar code types	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
2D code types	Data Matrix, QR code, MicroQR-Code, Aztec, MaxiCode
Stacked code types	PDF417, MicroPDF417, Code 49, Code 16K, Composite, Codablock F

Interfaces

Ethernet	✓ , TCP/IP

	Type of fieldbus integration	Optional, over external connection module CDF600-2
PROFINET		✓
	Type of fieldbus integration	Optional over external fieldbus module CDF600-2
	Function	PROFINET Single Port, PROFINET Dual Port
EtherCAT®		✓
	Type of fieldbus integration	Optional over external fieldbus module CDF600
Serial		✓ , RS-232
PROFIBUS DP		✓
	Type of fieldbus integration	Optional over external fieldbus module CDF600-2
Optical indicators		2 LEDs (operational status, good read)
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

Classifications

|	
ECLASS 5.0	27280101
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

Connection diagram AUX looping

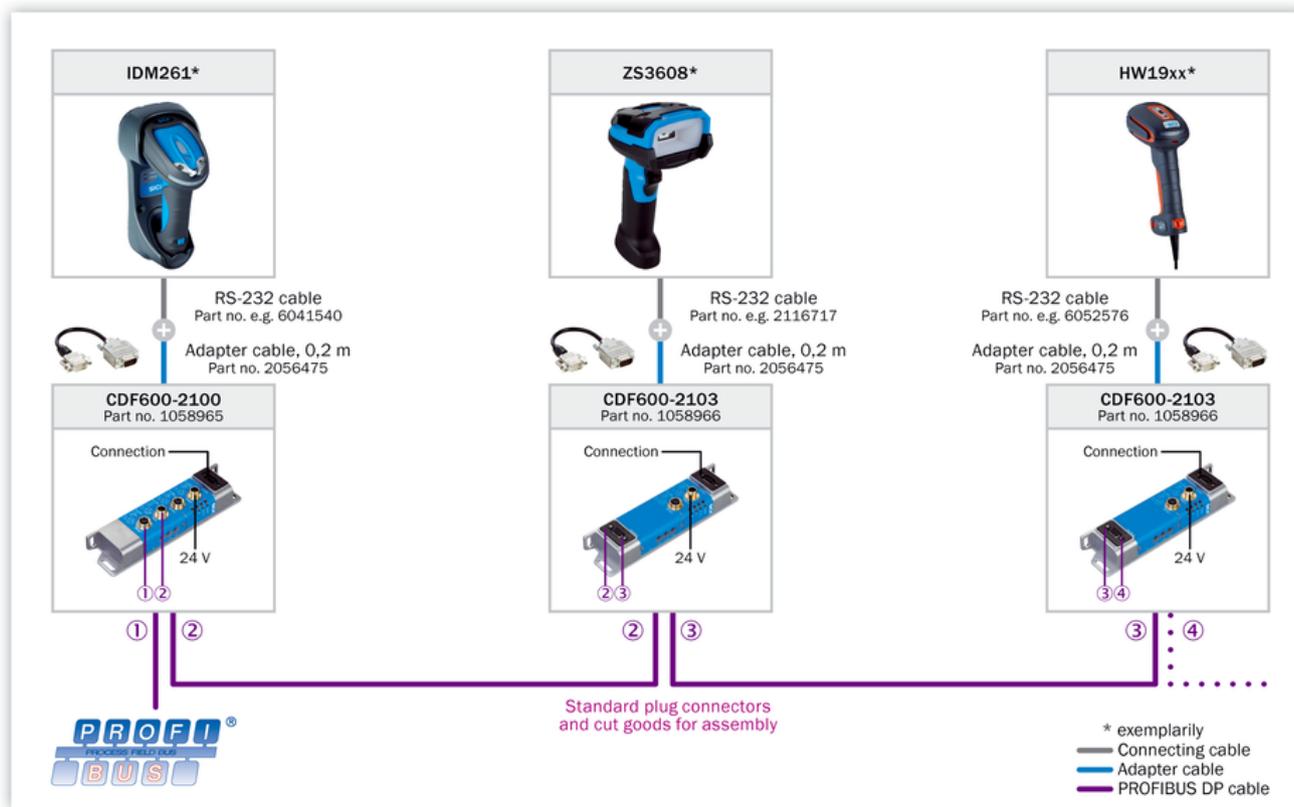### Looping-in via AUX
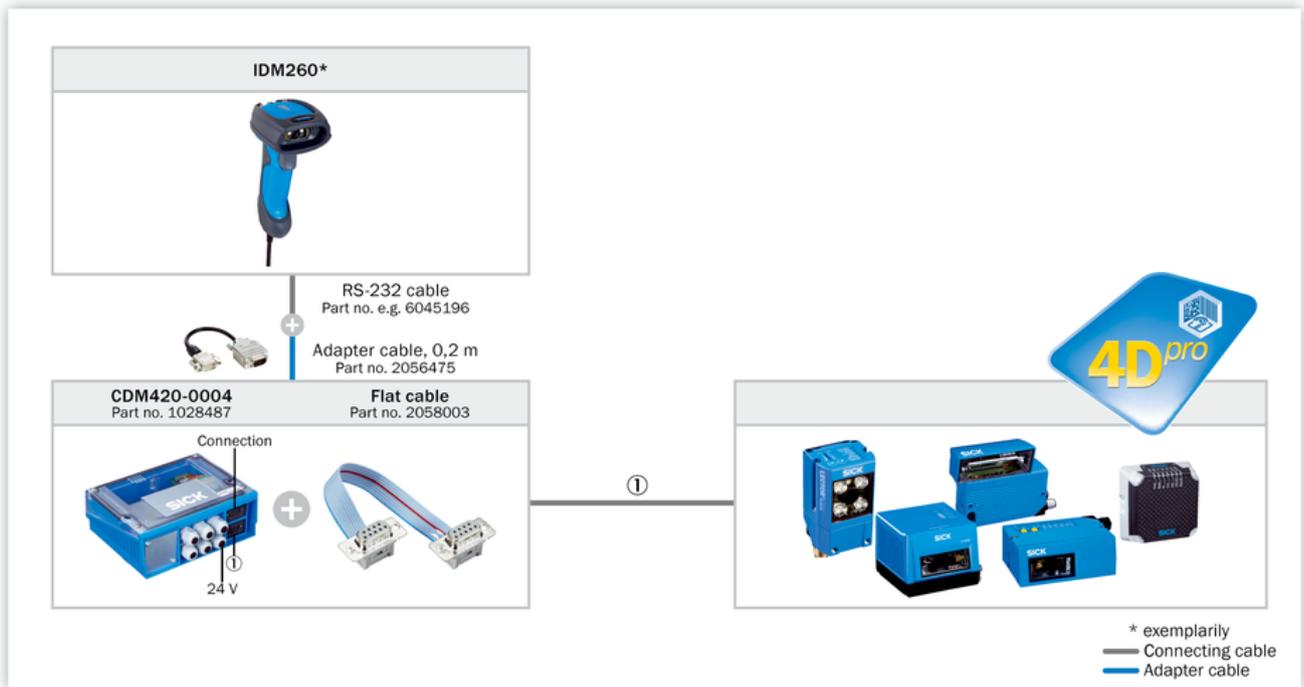
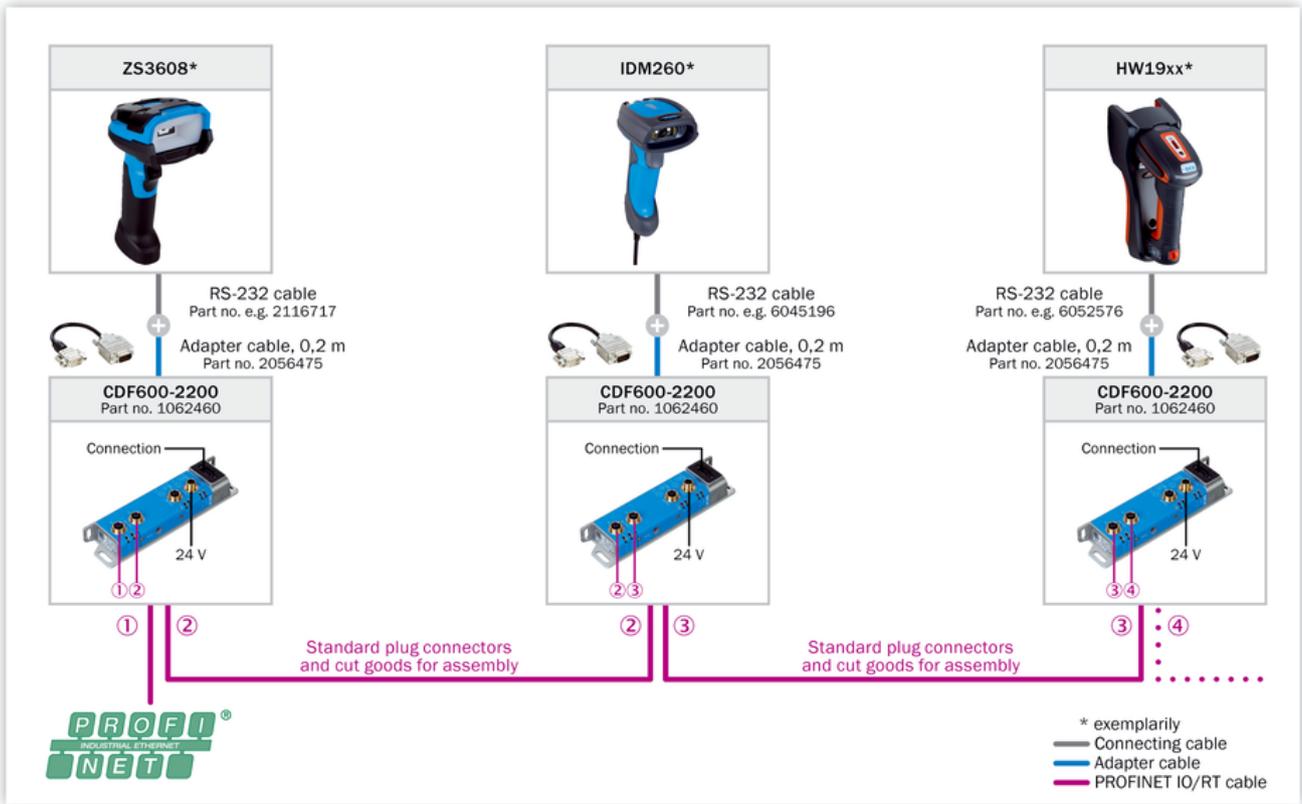## Connection diagram EtherCAT®

EtherCAT®
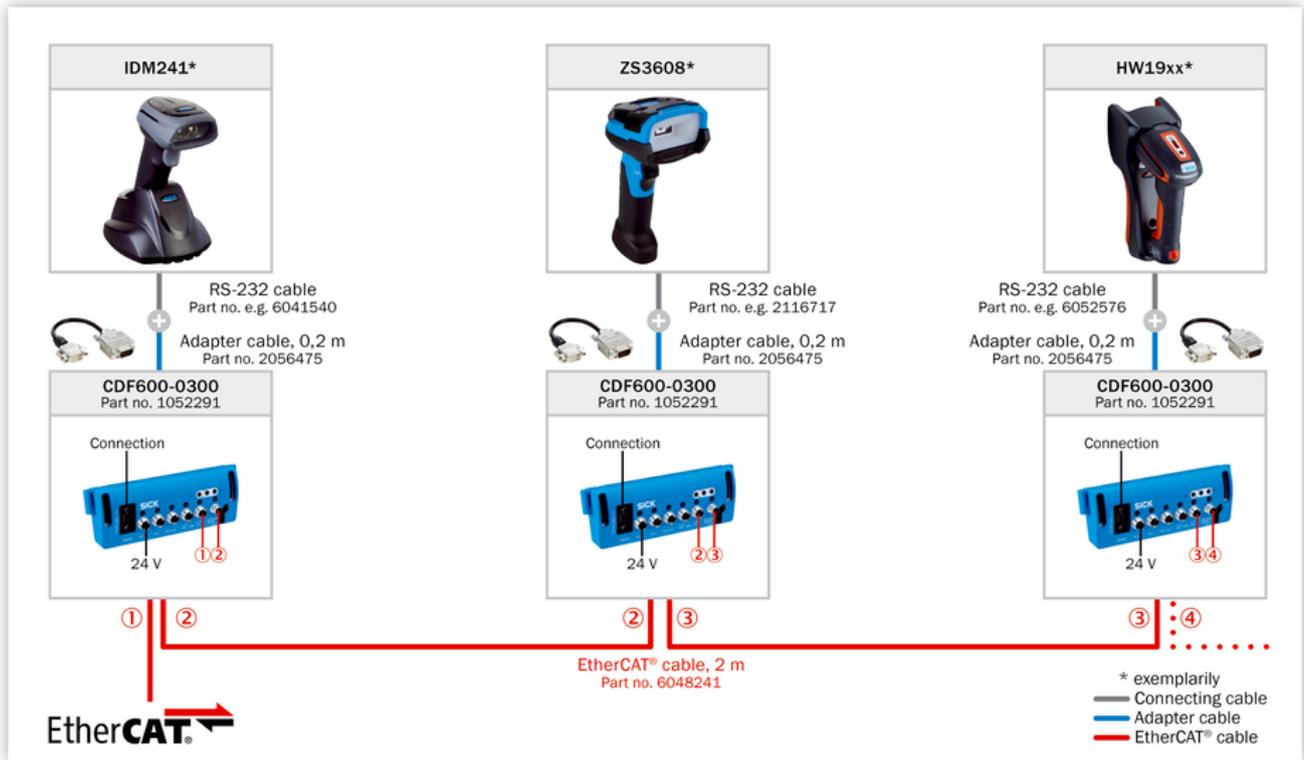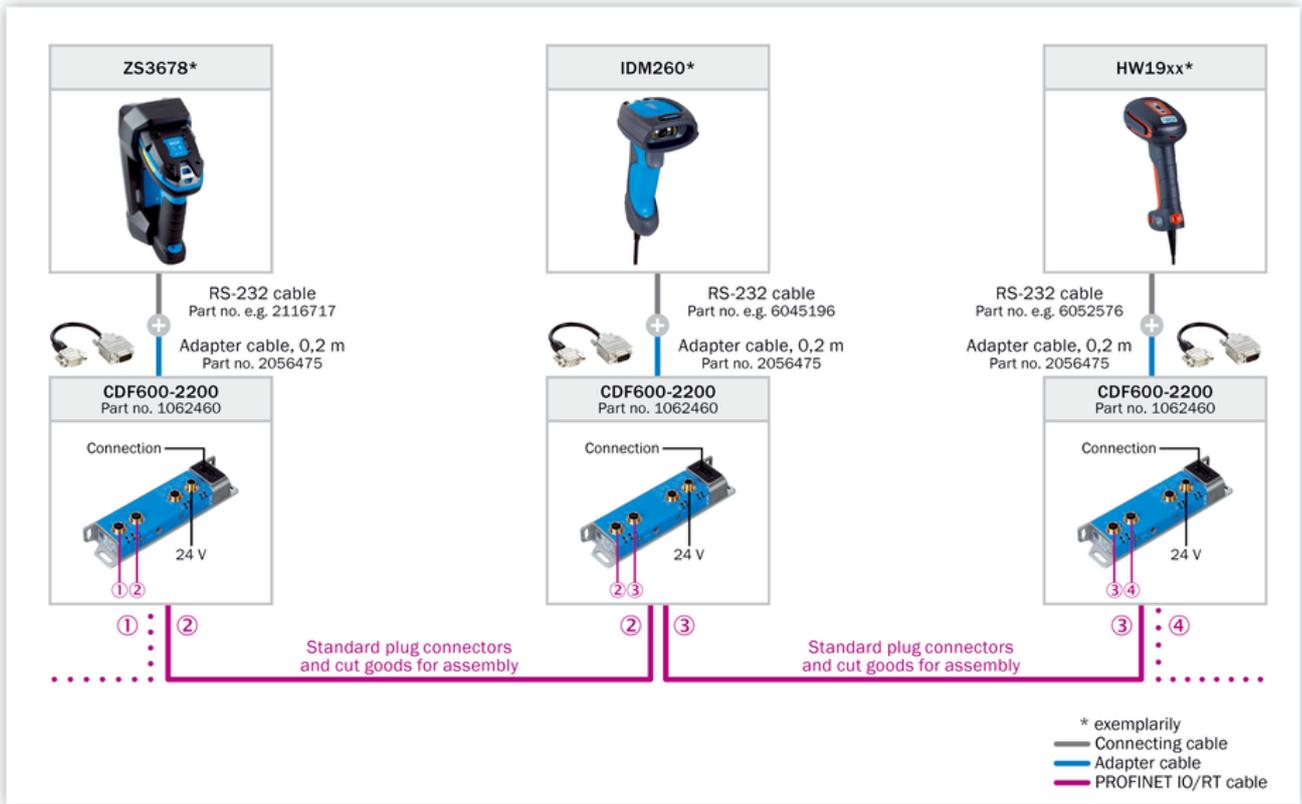
Connection diagram PROFIBUS DP

PROFIBUS DP

Connection diagram PROFINET IO/RT

PROFINET IO/RT

Connection diagram Ethernet TCP/IP

Ethernet TCP/IP

* exemplarily
— Connecting cable
— Adapter cable
— PROFINET IO/RT cable

Selection Guide

Scanner	+	Connection cable (RS-232)	+	DC converter (24V/5V)	+	Modules	·····>	Interface (network/products)

IDMx4x

Connection cable, 1.8 m, straight, RS-232, power on P9
6041540/
6081865 (2 m)

IDMx6x

Connection cable (only IDMx61), 1.8 m, straight, RS-232, power on P9
6041540/
6081865 (2 m)

Connection cable (only IDMx60), 1.8 m, straight, RS-232, power on P9
6045196/
6081868 (2 m)

Adapter
2056475

HW19

Connection cable, 3 m, coiled, RS-232, power on P9
6052576

CDF600-2200
1062460

PROFI NET®

TCP/IP*)

CDF600-2100
1058965

PROFI BUS®

CDF600-0300
1052291

EtherCAT®

CDM420-0004
1028487/
CDM420-0007
1060324

+

Flat cable
2058003

e.g. Lector, CLV, RFU

Zx36

Connection cable, 2.8 m, coiled, RS-232, power on P9
2116717

Connection cable
2111792

e.g. SIM1012
1098146

e.g. SIM2000
1081902

e.g. SIM1004
1098148

SICK APP SPACE

- TCP/IP
- IO-Link
- FTP
- OPC UA
- MQTT
- REST API

*) 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.
connectors and cables			
	• **Connection type head A:** Male connector, D-Sub, 9-pin • **Connection type head B:** Male connector, D-Sub, 15-pin • **Items supplied:** Incl. 24V/5V DC converter • **Cable:** 0.3 m • **Note:** For handheld scanners to CDB620/CDM420/CDF600/CDF600-2, adapter AUX port	YMH-DAC-C30XXXMDSA9	2056475
integration modules and adapters			
	• **Description:** Connection kit for connecting a hand-held scanner to a PROFINET (Siemens) interface	Hand-held scanner PROFINET kit	1101488
Power supply units and power supply cables			
	• **Input voltage:** 100 V AC … 240 V AC • **Output voltage:** 5 V DC • **Output current:** 2 A • **Description:** 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
Mounting systems			
	• **Description:** Tripod mount	Stand mount	6036724

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."

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