HW1980IFR-3USB KIT

HW19

MOBILE HANDHELD SCANNERS

SICK
Sensor Intelligence.

HW1980IFR-3USB KIT | HW19
MOBILE HANDHELD SCANNERS

Ordering information

Type	Part no.
HW1980IFR-3USB KIT	6059465

Included in delivery: USB cable (1), HW1980IFR-3 (1)

Other models and accessories ➜ www.sick.com/HW19

Detailed technical data

Features

Task	Identifying - 1D code Identifying - 2D code
Version	Full Range Focus
Application	Industrial application
Scanner design	Cable connection variant
Sensor resolution	1,280 px x 800 px
Light source	LED, Visible, Red, 624 nm, ± 18 nm
Alignment aid	Laser, Red, 650 nm
Reading distance	150 mm ... 16,000 mm
Code resolution	≥ 0.05 mm [1] ≥ 2 mm [2]

[1] Close range.
[2] Distance range.

Mechanics/electronics

Supply voltage	4 V DC ... 5.5 V DC
Current consumption	Operation at 5 V DC: 470 mA Standby: 100 mA
Housing	Plastic (UL 94 V-0)
Housing color	Orange, gray
Enclosure rating	IP65
Weight	335 g
Dimensions (L x W x H)	133 mm x 75 mm x 195 mm

Performance

Readable code structures	1D codes, 2D codes, Stacked
Bar code types	Code 39, Code 39 Trioptic, Code 32, Code 93, Code 11, Codabar, Code 128, GS1-128 / EAN 128, UPC / EAN / JAN (with addition), MSI/Plessey, UK/Plessey, IATA, Interleaved 2 of 5, Standard and Industrial 2 of 5, Matrix 2 of 5, Telepen, GS1 DataBar, 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
Code alignment	Omni-directional

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	Yes
Configuration software	EZConfig Tool

Ambient data

Shock resistance	50 drop tests onto concrete from a height of 2 m at −30 °C
Ambient operating temperature	−30 °C ... +50 °C
Storage temperature	−40 °C ... +70 °C
Permissible relative humidity	95 %, Non-condensing
Ambient light immunity	100,000 lx
Bar code print contrast (PCS)	≥ 40 %

Classifications

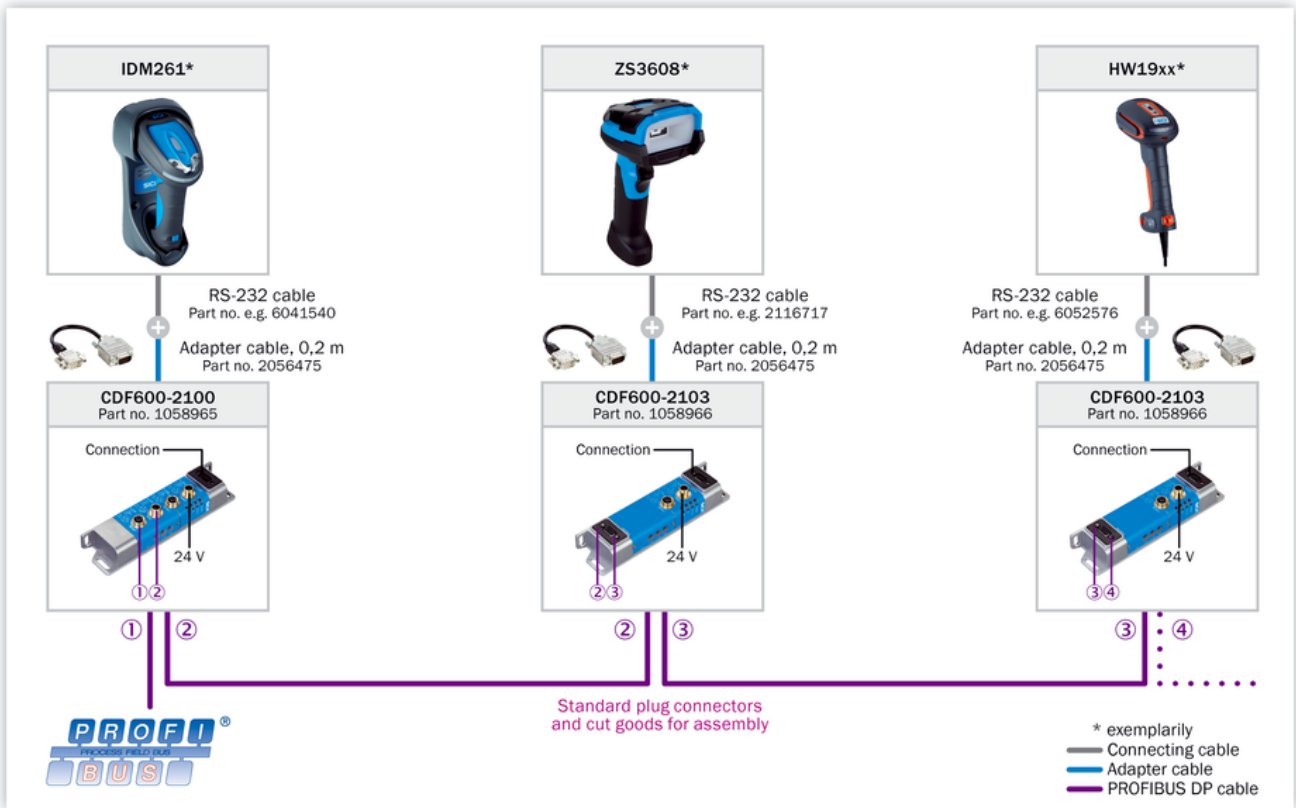|	
ECLASS 5.0	27280101
ECLASS 5.1.4	27280101
ECLASS 6.0	27280101
ECLASS 6.2	27280101
ECLASS 7.0	27280101
ECLASS 8.0	27280101
ECLASS 8.1	27280101
ECLASS 9.0	27280101
ECLASS 10.0	27280101
ECLASS 11.0	27280101
ECLASS 12.0	27280101
ETIM 5.0	EC002550
ETIM 6.0	EC002550
ETIM 7.0	EC002550
ETIM 8.0	EC002550
UNSPSC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

Connection diagram
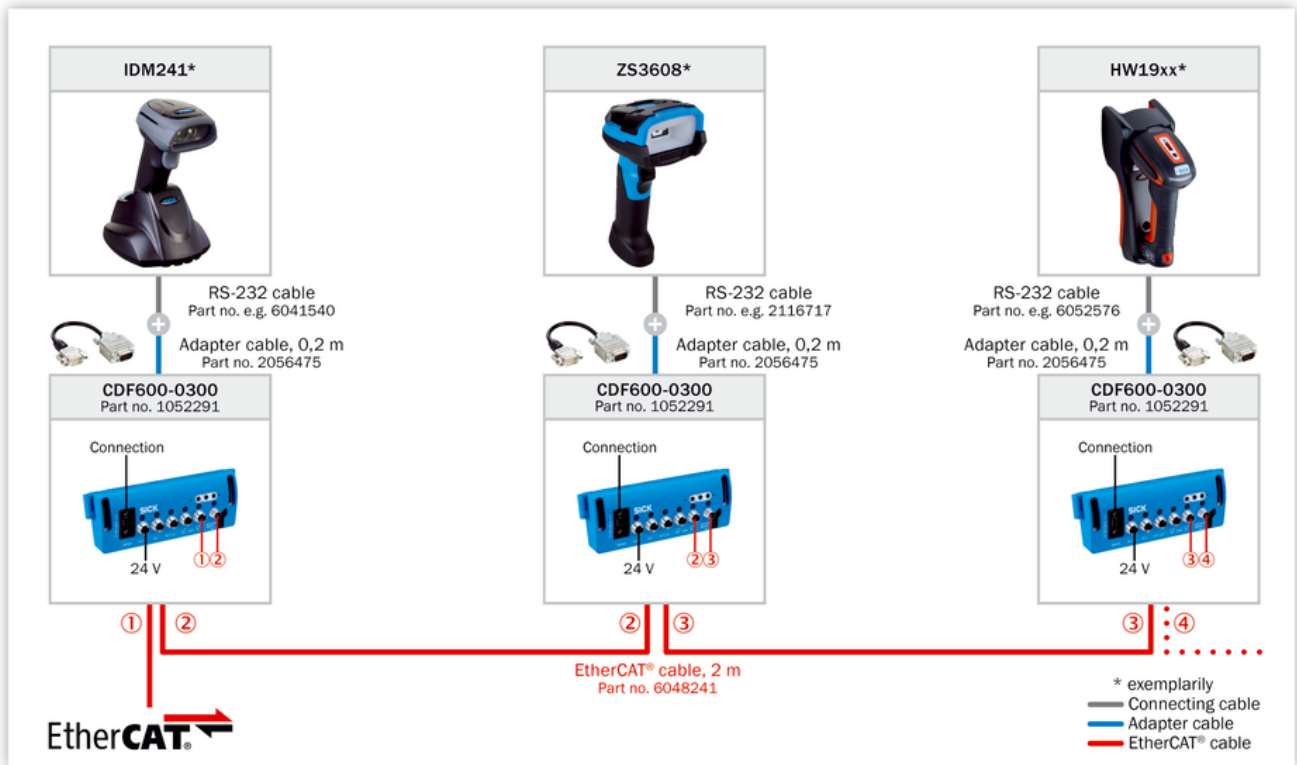
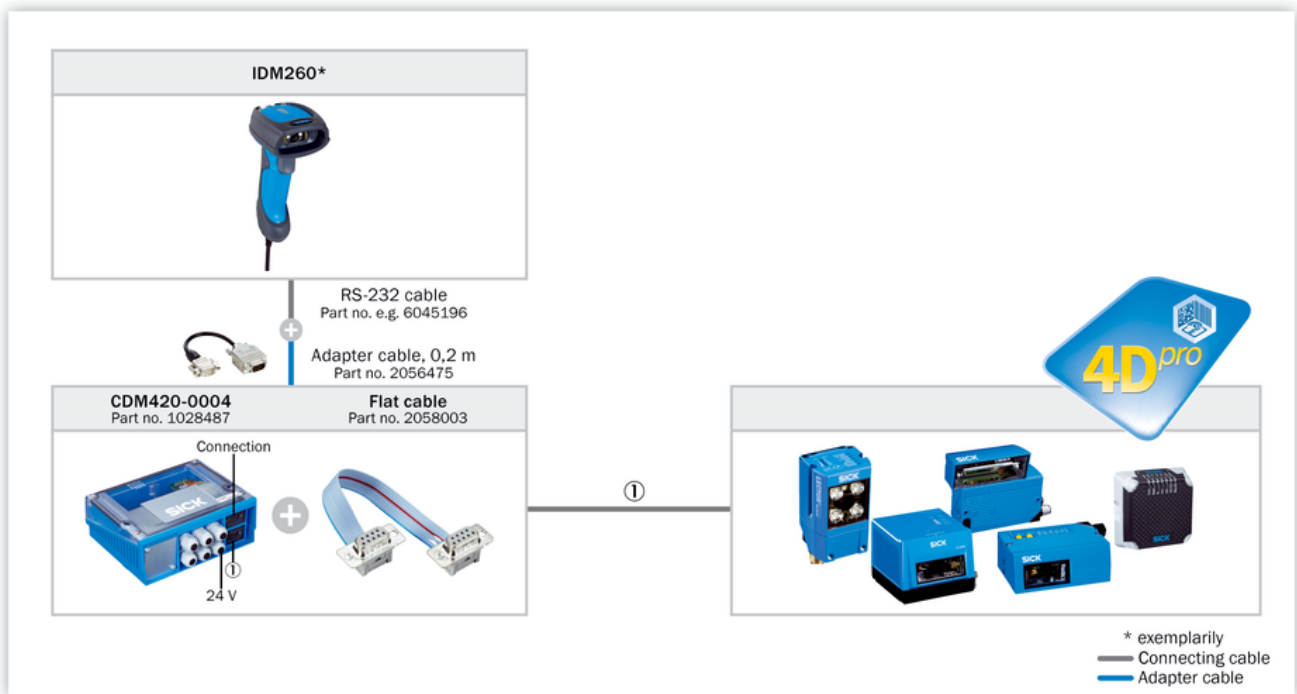PROFINET IO/RT

PROFINET IO/RT
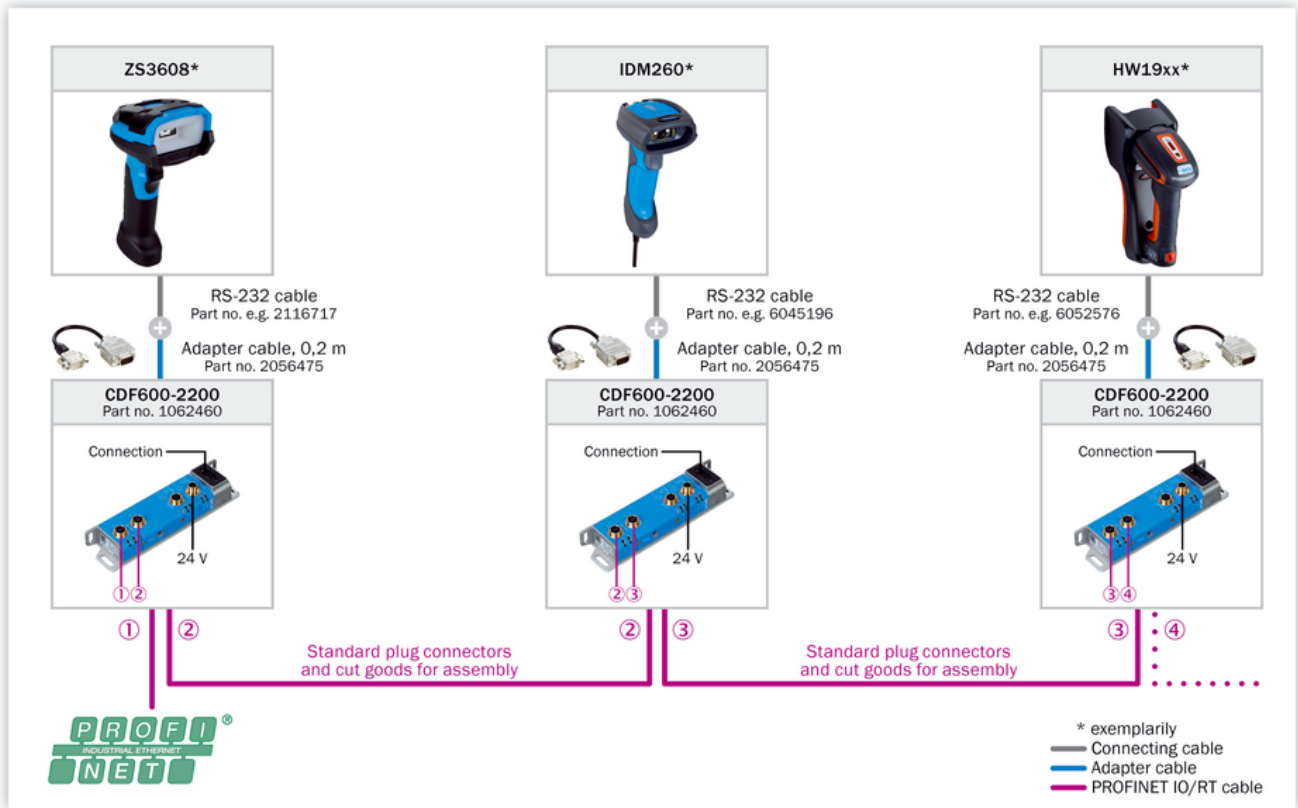
PROFIBUS DP

PROFIBUS DP

EtherCAT®

EtherCAT®

AUX looping

Looping-in via AUX

Selection Guide

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

Scanner: IDMx4x, IDMx6x, HW19, Zx36

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

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)

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

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

Adapter 2056475

Connection cable 2111792

Modules:
- CDF600-2200 1062460
- CDF600-2100 1058965
- CDF600-0300 1052291
- CDM420-0004 1028487/ CDM420-0007 1060324
- Flat cable 2058003
- e.g. SIM1012 1098146
- e.g. SIM2000 1081902
- e.g. SIM1004 1098148

Interface:
- PROFINET
- TCP/IP*)
- PROFIBUS
- EtherCAT
- e.g. Lector, CLV, RFU
- SICK APP SPACE
  - TCP/IP
  - IO-Link
  - FTP
  - OPC UA
  - MQTT
  - REST API

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

Recommended accessories

Other models and accessories ➜ www.sick.com/HW19

	Brief description	Type	Part no.
Other mounting accessories			
	Table and wall bracket including mounting material (Honeywell HOLDER-010-U)	Stand mount	5328380
	Vehicle mounting kit including vehicle fork bracket (VM bracket), adjustable arm with ball joints and mounting accessories (Honeywell VMHOLDERK)	Stand mount	5328383
	Table and wall bracket including mounting material (Honeywell VMHOLDERE)	Stand mount	5337563

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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.

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For us, that is "Sensor Intelligence."

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