



IDM260-120H

IDM

MOBILE HANDHELD SCANNERS

SICK
Sensor Intelligence.



Ordering information

Type	part no.
IDM260-120H	1068862

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

Detailed technical data

Features

Task	Identifying - 1D code
Version	High Density DPM
Application	Industrial application
Scanner design	Cable connection variant
Light source	LED, Visible, Red, 660 nm Illumination LED: Visible red light (630 nm) Laser alignment aid: Visible red light (630 nm)
Alignment aid	Laser, Red, 630 nm
Laser class	1 (EN/IEC 60825-1:2014)
Reading distance	30 mm ... 160 mm ¹⁾
Scanning frequency	60 Hz
Code resolution	≥ 0.07 mm ²⁾ ≥ 0.13 mm ³⁾

¹⁾ For details see reading field diagram.

²⁾ Valid for Code 39.

³⁾ Valid for Data Matrix code.

Mechanics/electronics

Supply voltage	5 V DC, ± 5 %
Current consumption	Operation (vibration deactivated): 285 mA Operation (vibration activated): 335 mA Standby: 150 mA
Housing color	Blue, gray
Enclosure rating	IP65
Weight	208 g, without cable
Dimensions (L x W x H)	104 mm x 76.3 mm x 176 mm

Performance

Readable code structures	1D codes, 2D codes, Stacked, direct-marked codes
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

Interfaces

Ethernet	✓ , TCP/IP
Type of fieldbus integration	Optional, over external connection module CDM + CMF
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 TTL
PROFIBUS DP	✓
Type of fieldbus integration	Optional over external fieldbus module CDF600-2
DeviceNet™	✓
Type of fieldbus integration	Optional, over external connection module CDM + CMF
USB	✓
Function	Keyboard wedge, COM-Port emulation
PS/2	✓
Function	Keyboard wedge
Optical indicators	2 LEDs (operational status, good read)
Acoustic indicators	Beeper, can be switched off
Vibration	Yes
Configuration software	IDM Setup Tool

Ambient data

Shock resistance	50 drops from 2 m height on concrete
Ambient operating temperature	-20 °C ... +50 °C
Storage temperature	-40 °C ... +70 °C
Permissible relative humidity	95 %, Non-condensing
Ambient light immunity	100,000 lx

General notes

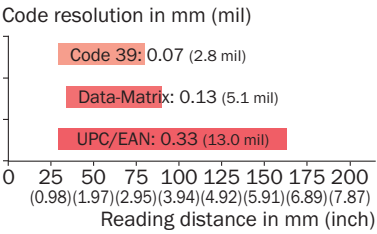
Note	A connecting cable and possibly a power supply unit are still required for commissioning.
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Classifications

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

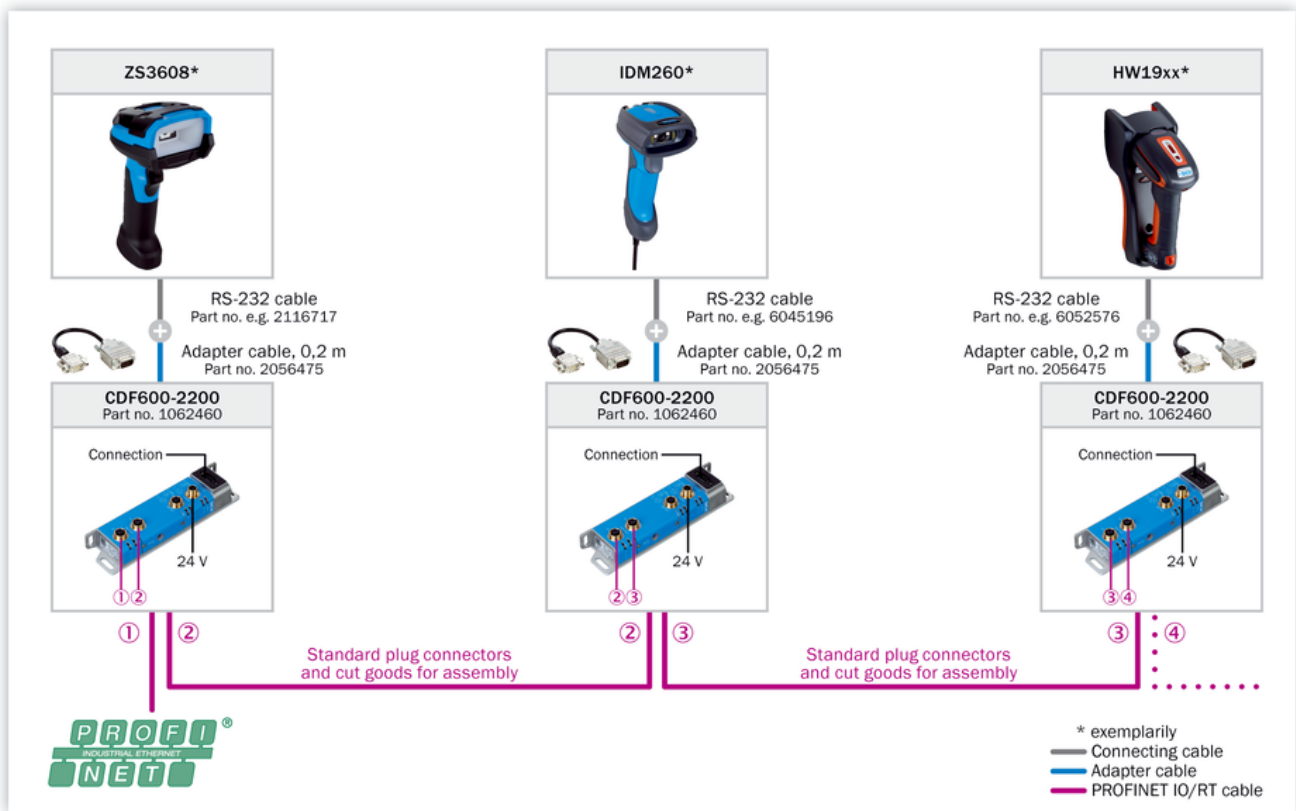
ECLASS 9.0	27280101
ECLASS 10.0	27280101
ECLASS 11.0	27280101
ECLASS 12.0	27280101
ETIM 5.0	EC002550
ETIM 6.0	EC002550
ETIM 7.0	EC002550
ETIM 8.0	EC002550
UNSPSC 16.0901	43211701

Reading field diagram IDM2xx-xxxH High Density



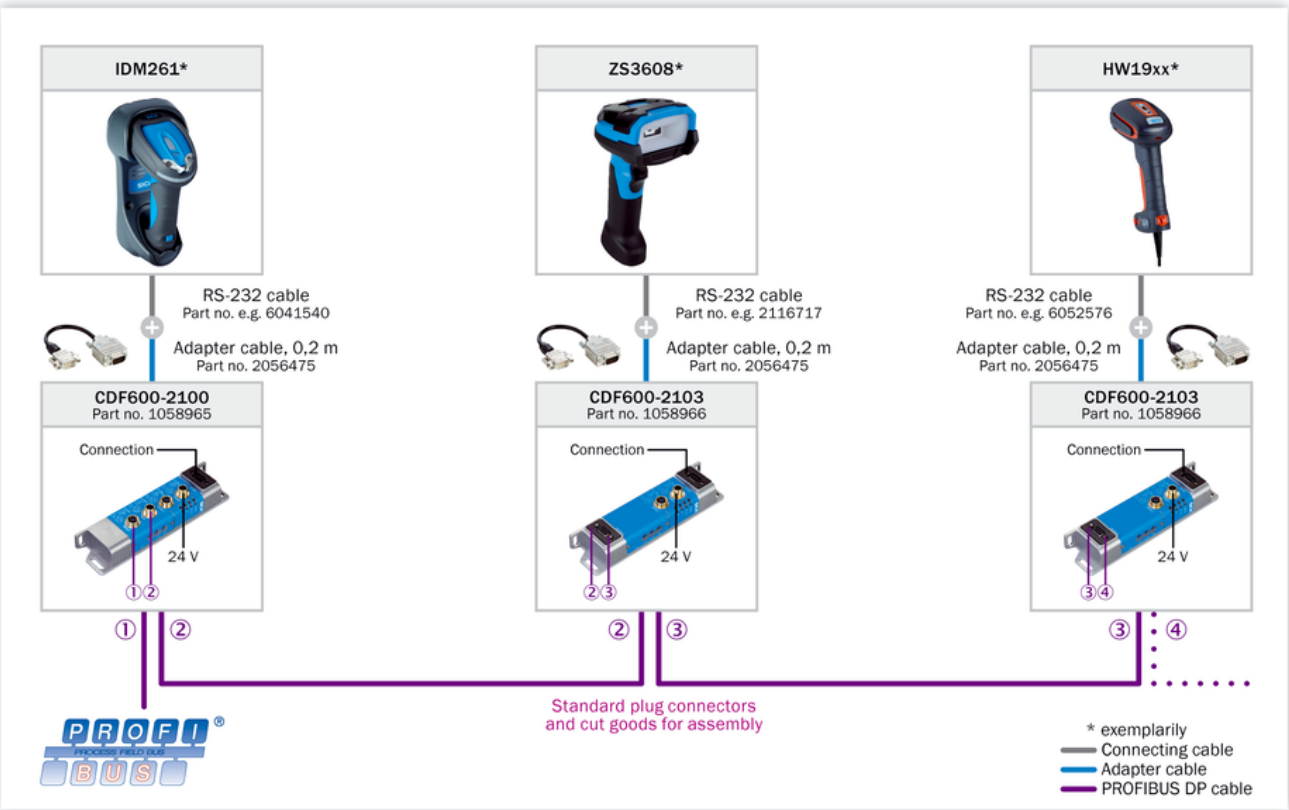
Connection diagram PROFINET IO/RT

PROFINET IO/RT



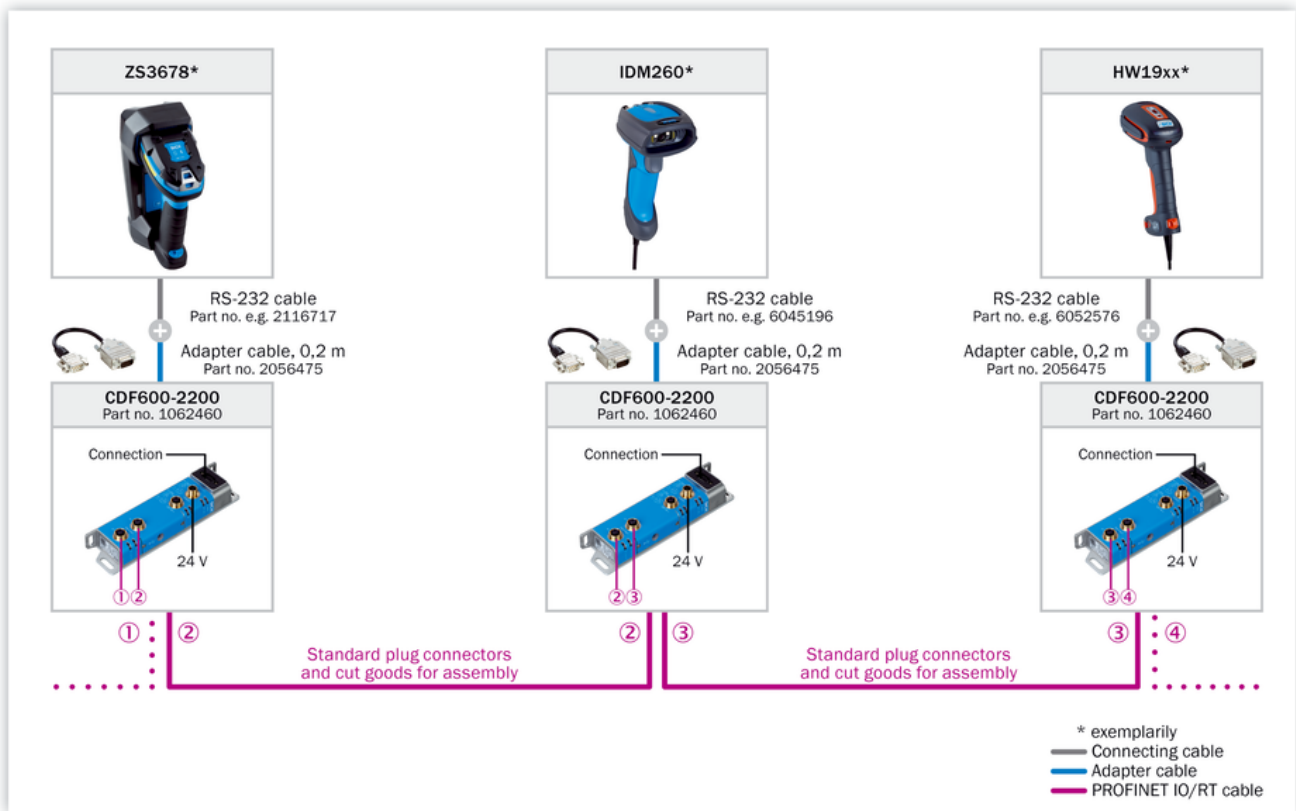
Connection diagram PROFIBUS DP

PROFIBUS DP



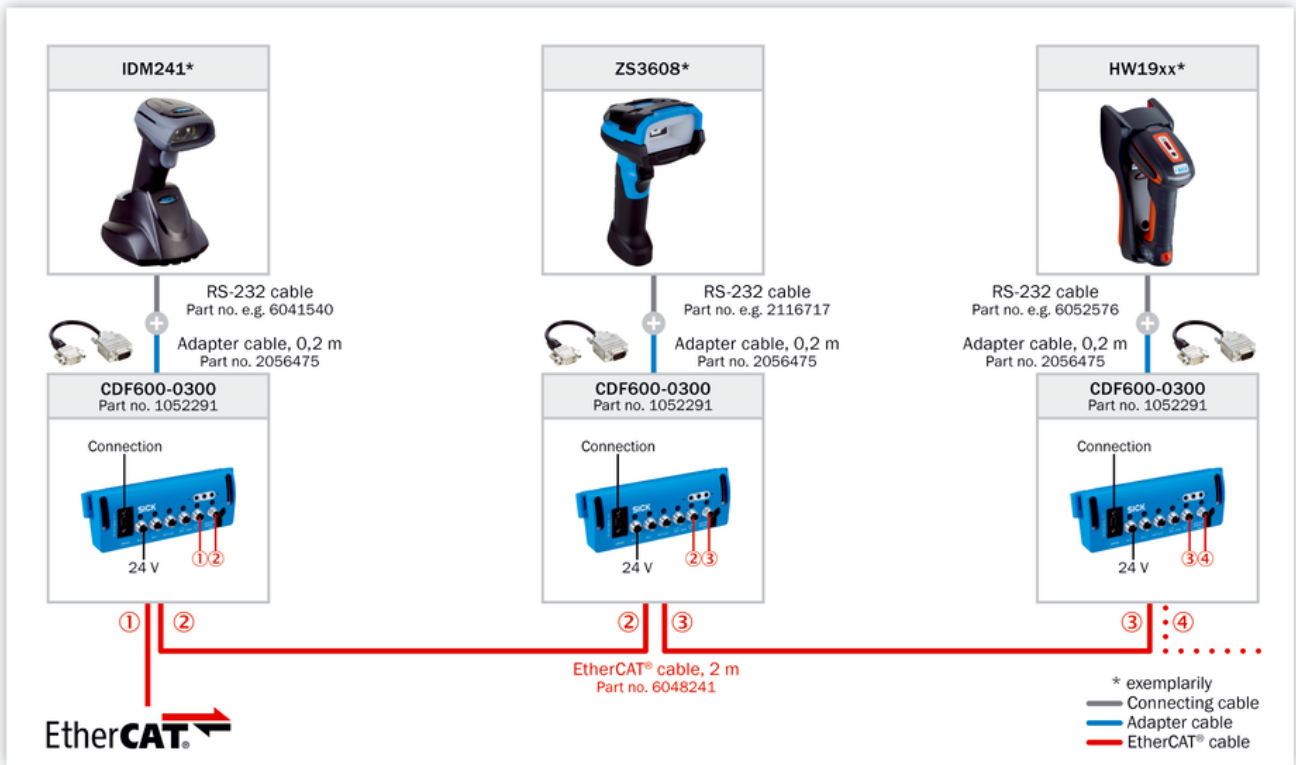
Connection diagram Ethernet TCP/IP

Ethernet TCP/IP



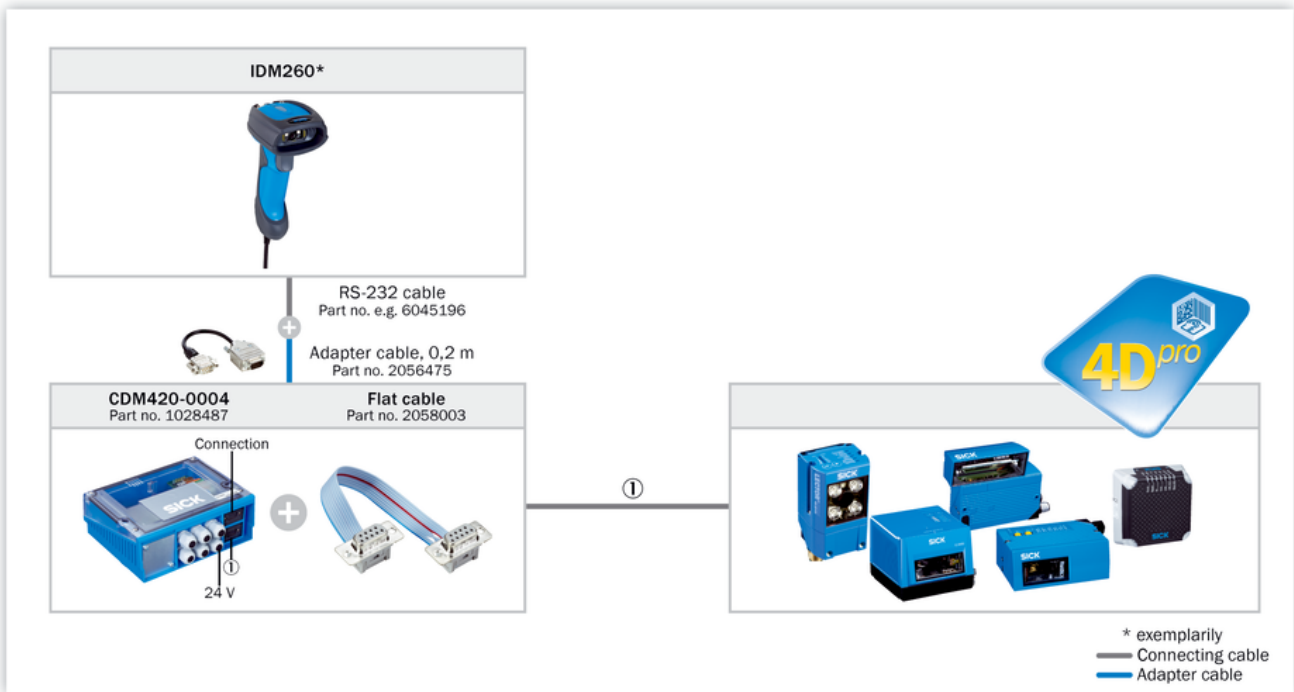
Connection diagram EtherCAT®

EtherCAT®



Connection diagram AUX looping

Looping-in via AUX



Selection Guide



*) 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/IDM

	Brief description	Type	part no.
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: Desk holder	Table mount	6045192

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:

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