



IDM241-100S RS-232 Kit

IDM

MOBILE HANDHELD SCANNERS

SICK
Sensor Intelligence.



Ordering information

Type	part no.
IDM241-100S RS-232 Kit	6053050

Included in delivery: Base station (1), Power supply unit (1)

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



Detailed technical data

Features

Task	Identifying - 1D code
Version	Standard Range
Application	Standard application
Scanner design	Wireless variant
Light source	Internal lighting, LED, Visible, Red, 630 nm Adjustment aid, LED, Visible, Red, 630 nm
Reading distance	30 mm ... 380 mm ¹⁾
Code resolution	≥ 0.13 mm ²⁾ ≥ 0.25 mm ³⁾

¹⁾ For details see reading field diagram.

²⁾ Valid for Code 39.

³⁾ Valid for Data Matrix code.

Mechanics/electronics

Enclosure rating	IP41
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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 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
Bluetooth		✓
	Remark	Bluetooth™ V4.0, 2.402 ... 2.4830 GHz
	Function	Wireless operating range up to 100 m (free view), batch function for expansion of the wireless radius, up to seven scanners communicate with one base station
Configuration software		IDM Setup Tool

General notes

Items supplied	The rechargeable battery is included with delivery
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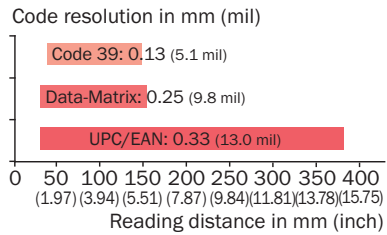
Certificates

Bluetooth	✓
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Classifications

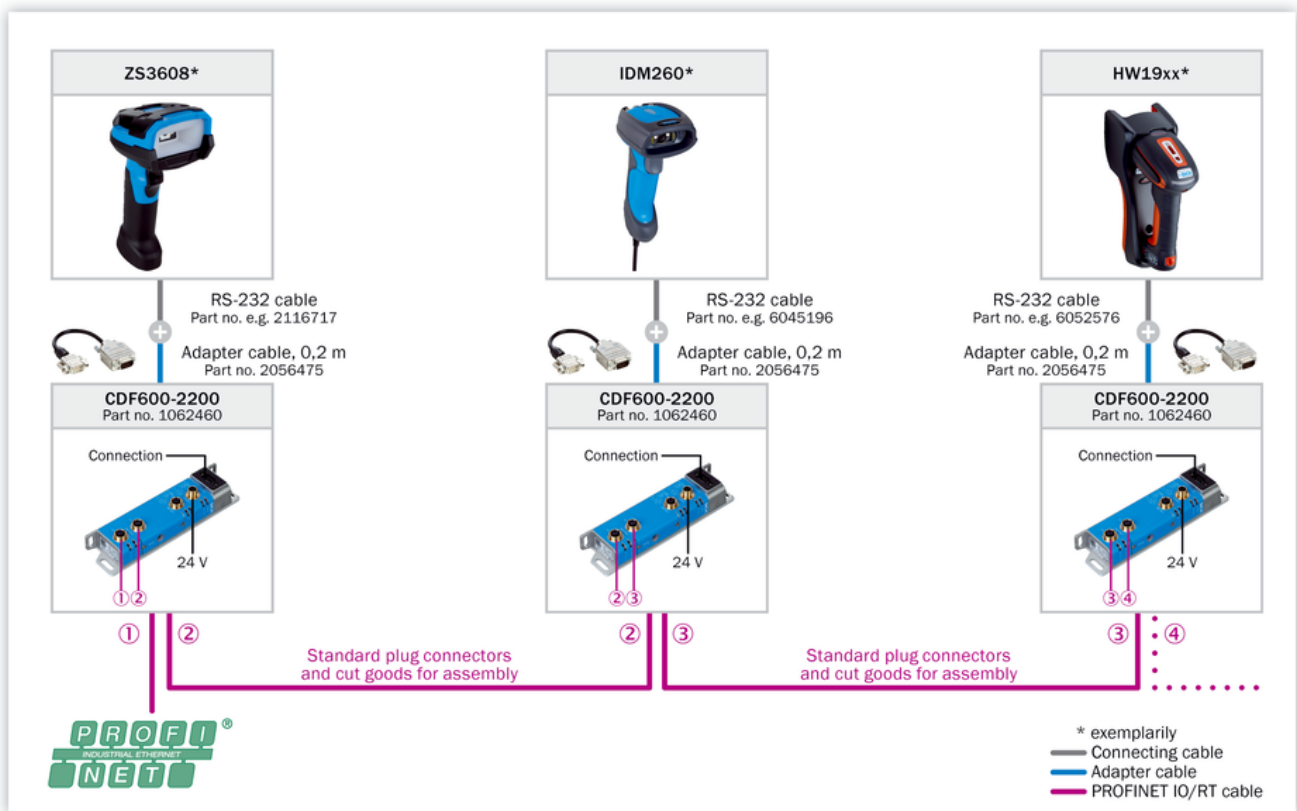
ECLASS 5.0	27280101
ECLASS 5.1.4	27280101
ECLASS 6.0	27280101
ECLASS 6.2	27280101
ECLASS 7.0	27280101
ECLASS 8.0	27280101
ECLASS 8.1	27280101
ECLASS 9.0	27280101
ECLASS 10.0	27280101
ECLASS 11.0	27280101
ECLASS 12.0	27280101
ETIM 5.0	EC002550
ETIM 6.0	EC002550
ETIM 7.0	EC002550
ETIM 8.0	EC002550
UNSPSC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

Reading field diagram IDM2xx-xxxS Standard Range



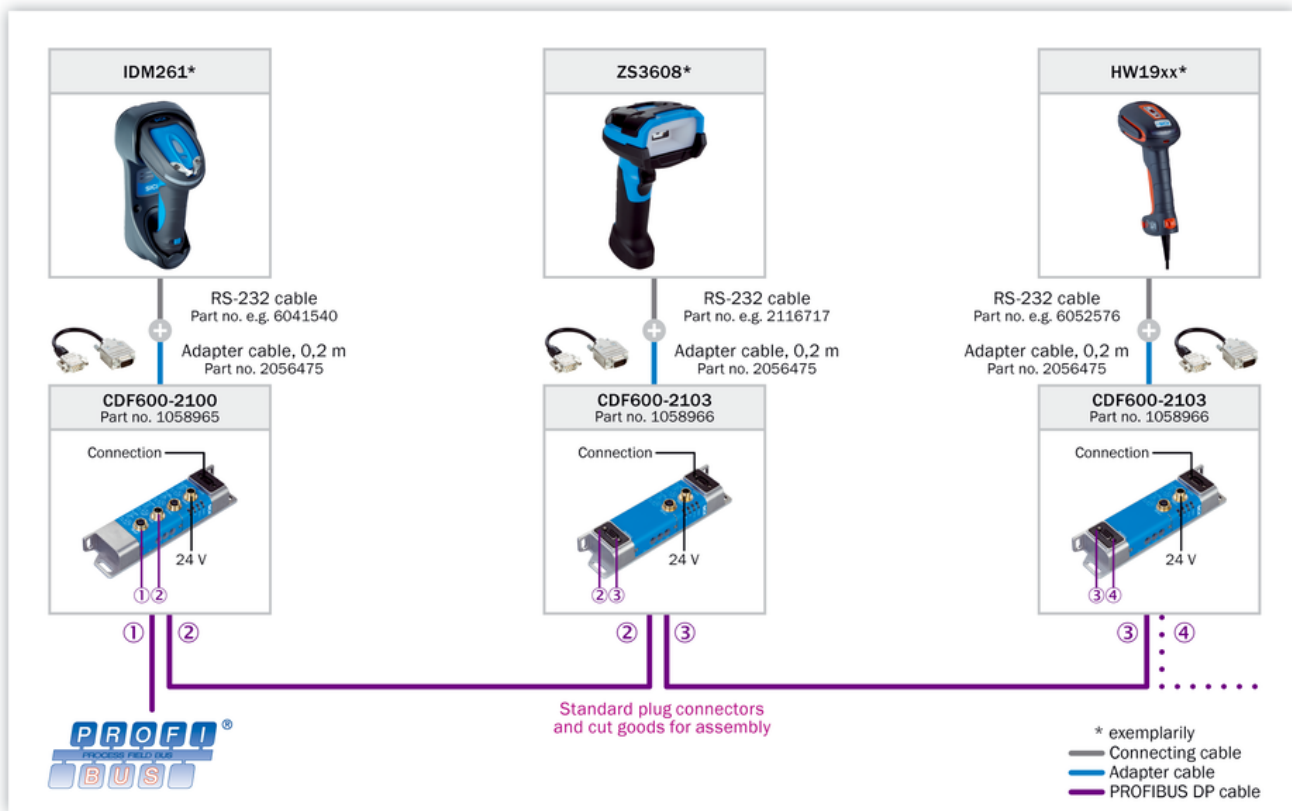
Connection diagram PROFINET IO/RT

PROFINET IO/RT



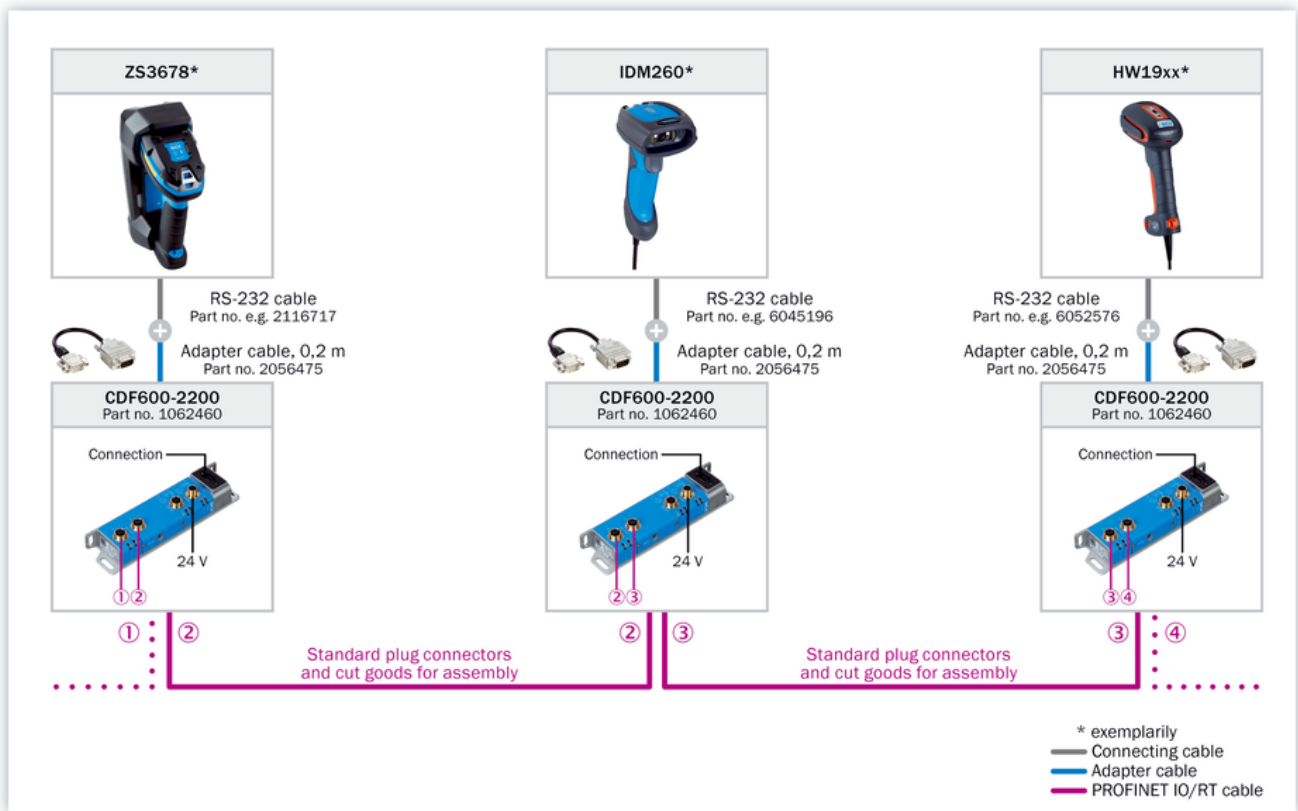
Connection diagram PROFIBUS DP

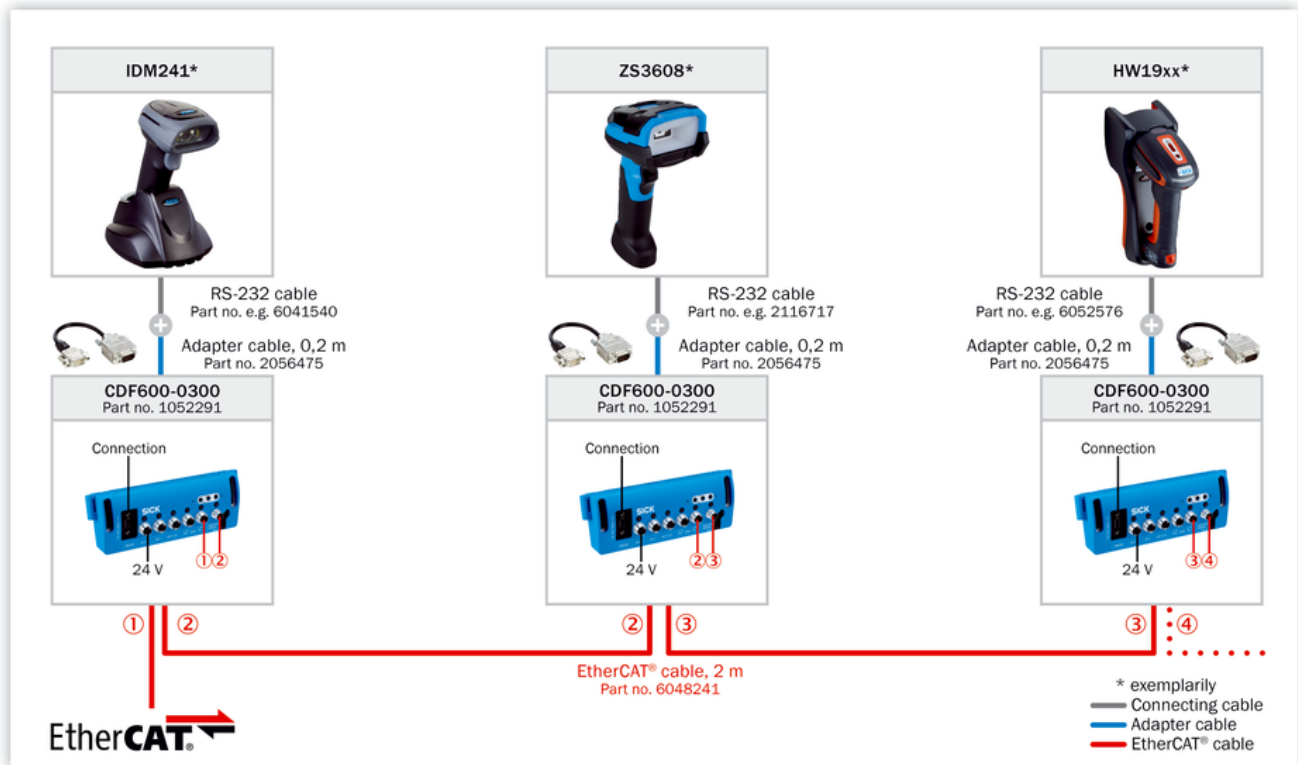
PROFIBUS DP



Connection diagram Ethernet TCP/IP

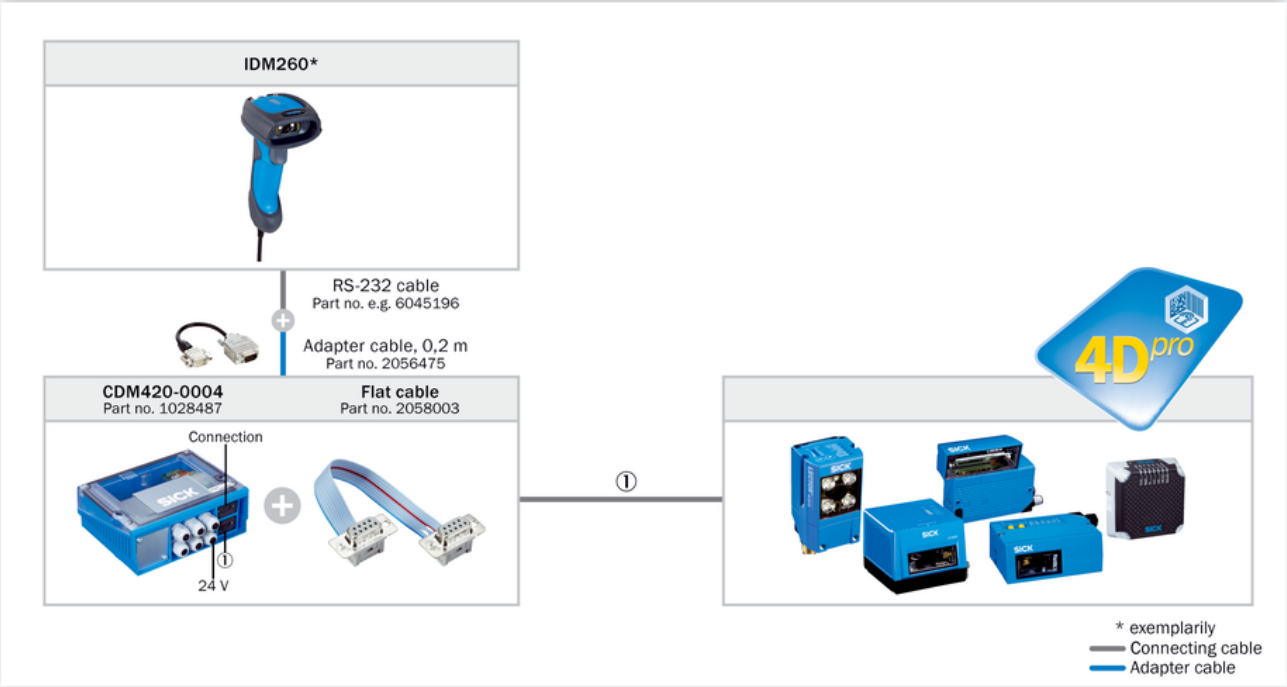
Ethernet TCP/IP



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. 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-C30XXMDSA9	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

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