



# IDM241-100S USB Kit

IDM

MOBILE HANDHELD SCANNERS

**SICK**  
Sensor Intelligence.



## Ordering information

Type	part no.
IDM241-100S USB Kit	6053049

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

Other models and accessories → [www.sick.com/IDM](http://www.sick.com/IDM)



## Detailed technical data

## Features

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

<sup>1)</sup> For details see reading field diagram.

<sup>2)</sup> Valid for Code 39.

<sup>3)</sup> Valid for Data Matrix code.

## Mechanics/electronics

<b>Enclosure rating</b>	IP41
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## Performance

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

## Interfaces

<b>USB</b>	✓
Function	Keyboard wedge, COM-Port emulation
<b>Bluetooth</b>	✓
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
<b>Configuration software</b>		IDM Setup Tool

#### General notes

<b>Items supplied</b>	The rechargeable battery is included with delivery
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#### Certificates

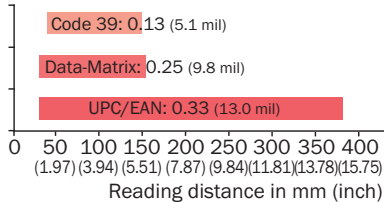
<b>Bluetooth</b>	✓
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#### Classifications

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

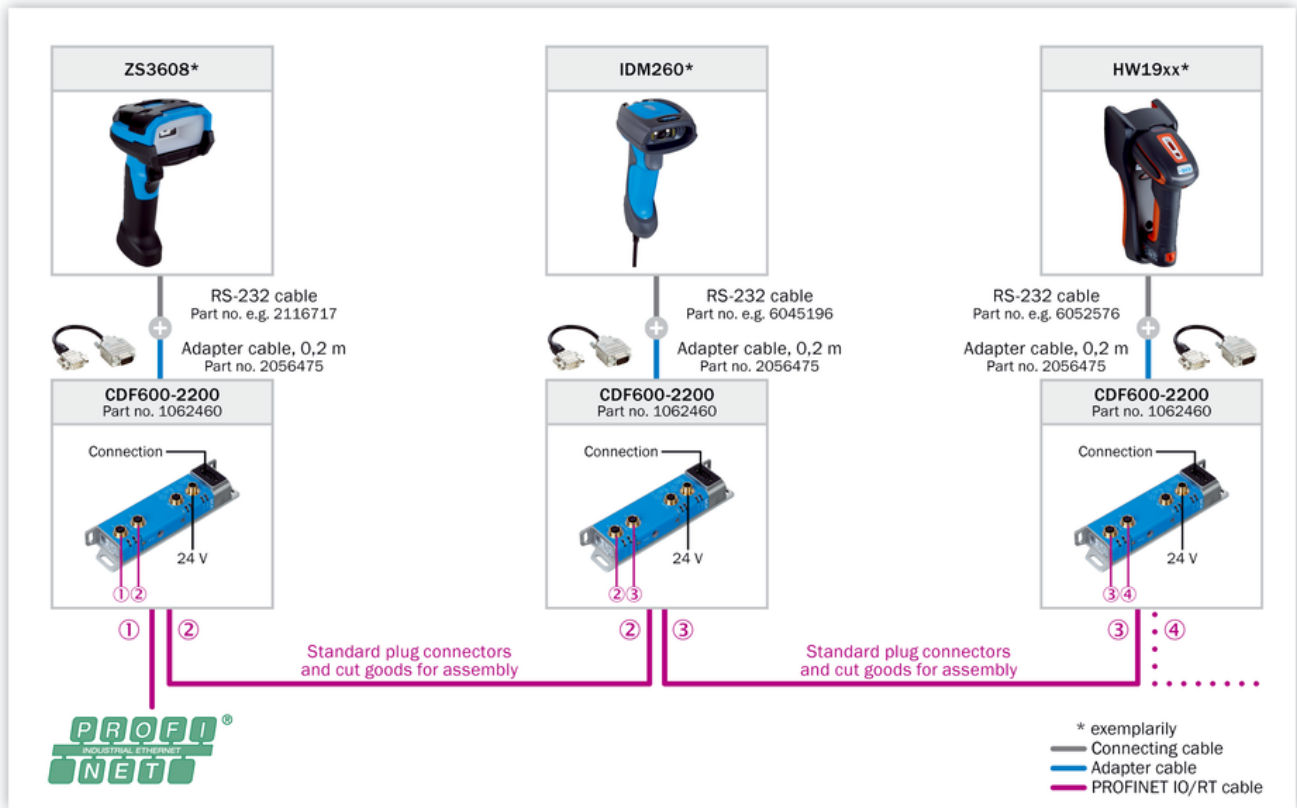
#### Reading field diagram IDM2xx-xxxS Standard Range

Code resolution in mm (mil)



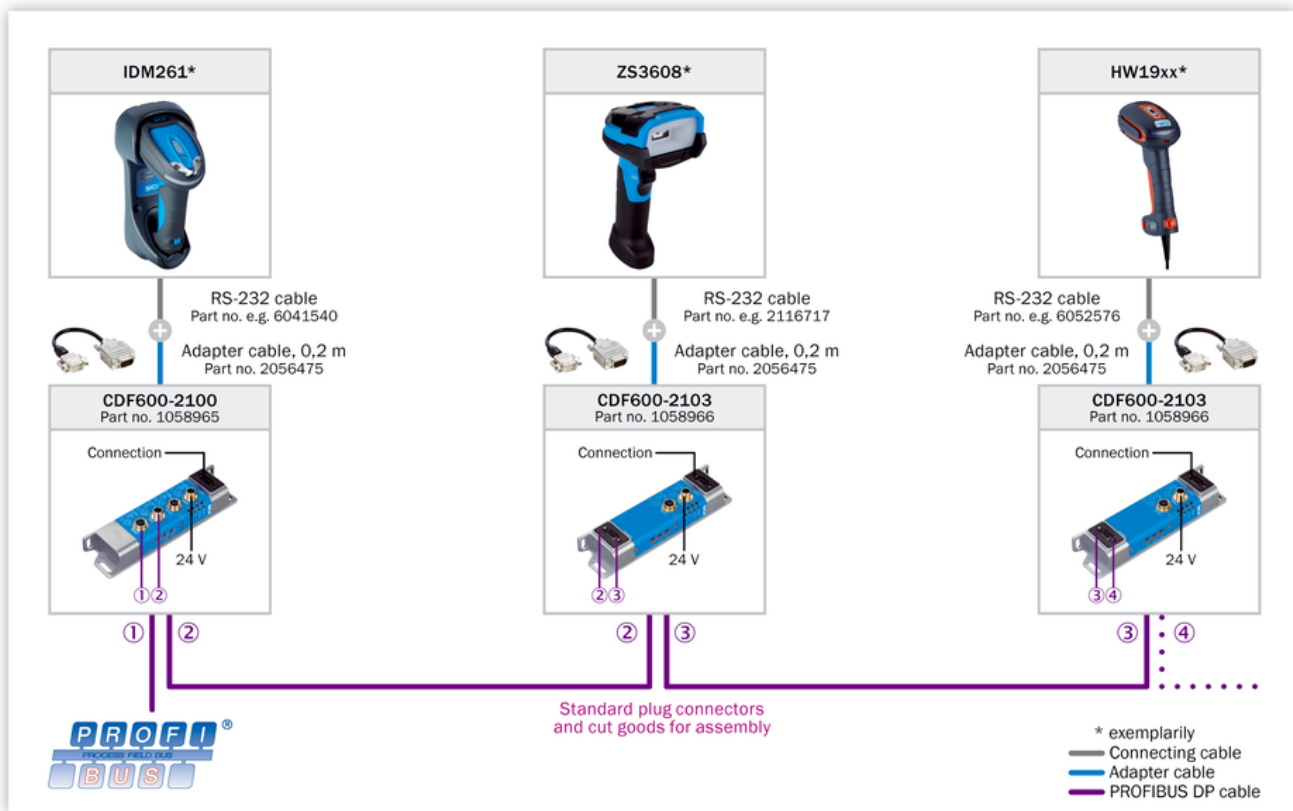
## Connection diagram PROFINET IO/RT

### PROFINET IO/RT



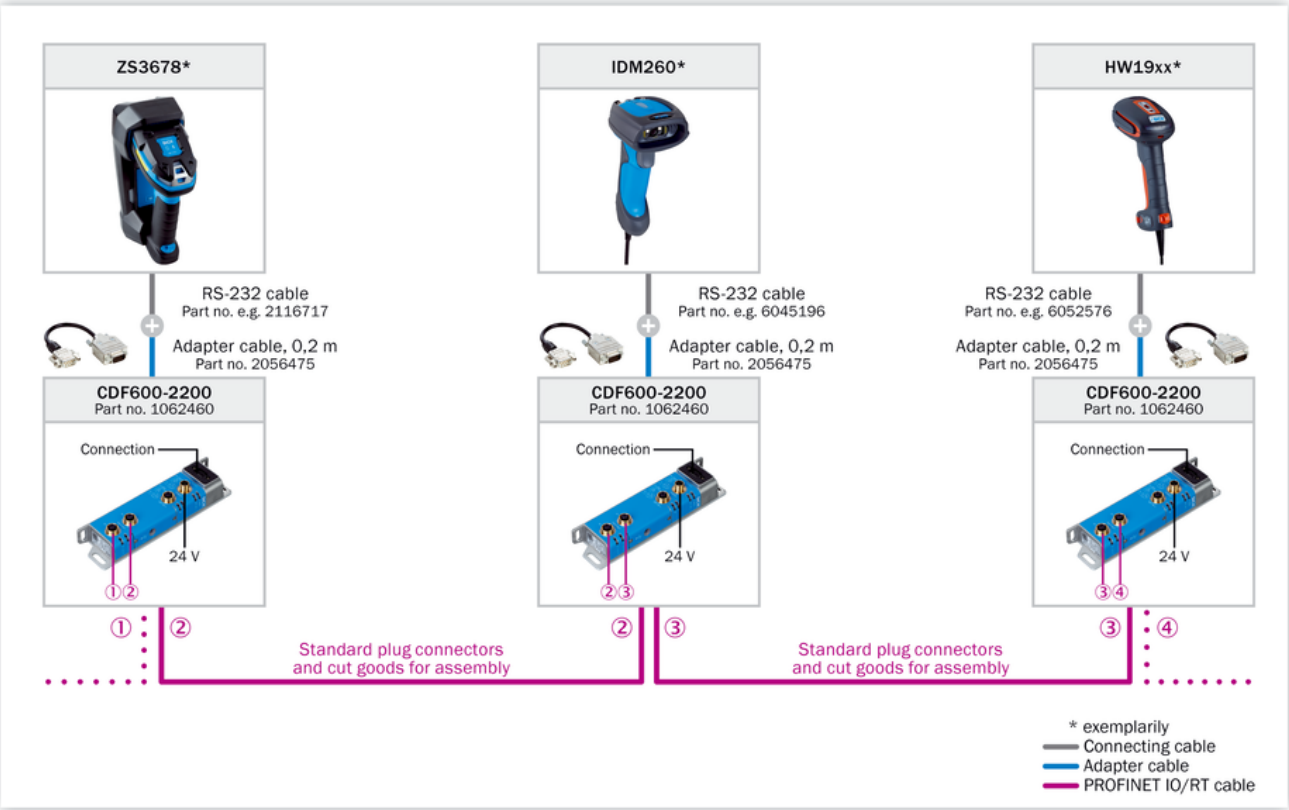
## Connection diagram PROFIBUS DP

### PROFIBUS DP



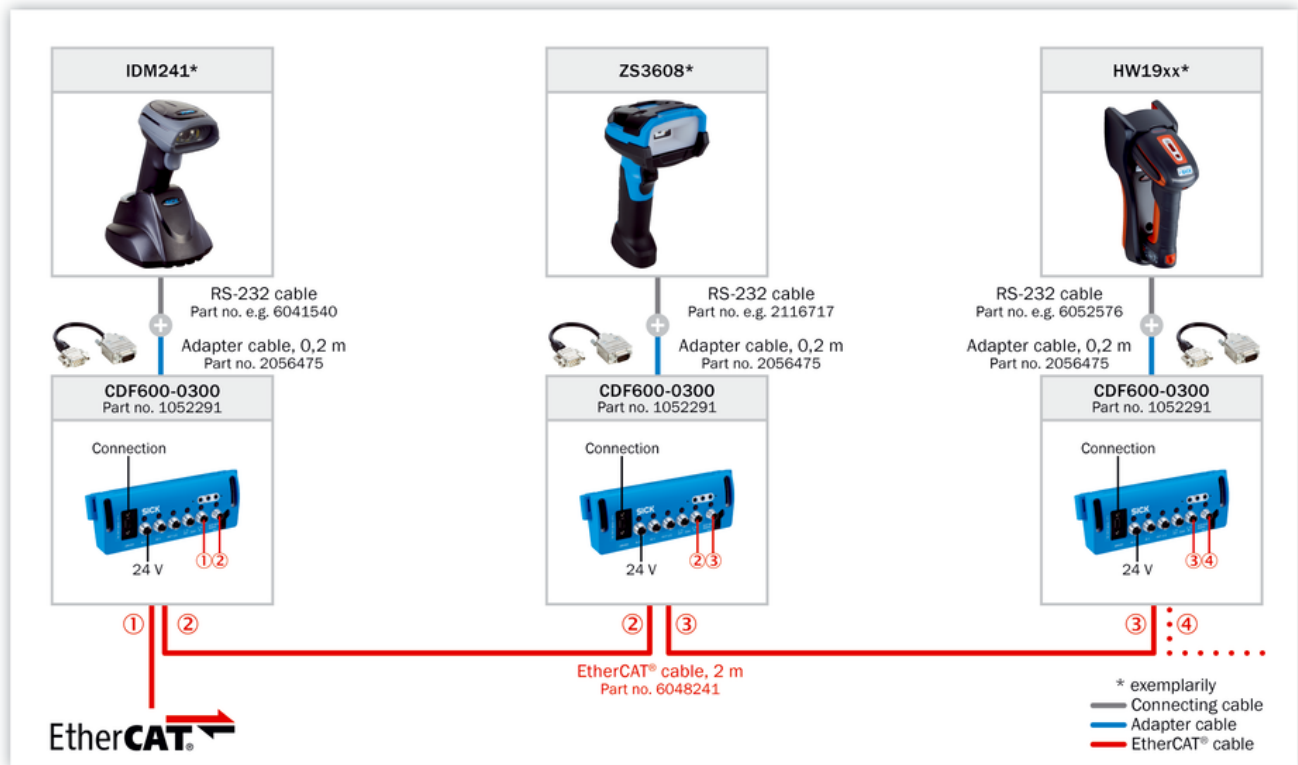
Connection diagram Ethernet TCP/IP

Ethernet TCP/IP



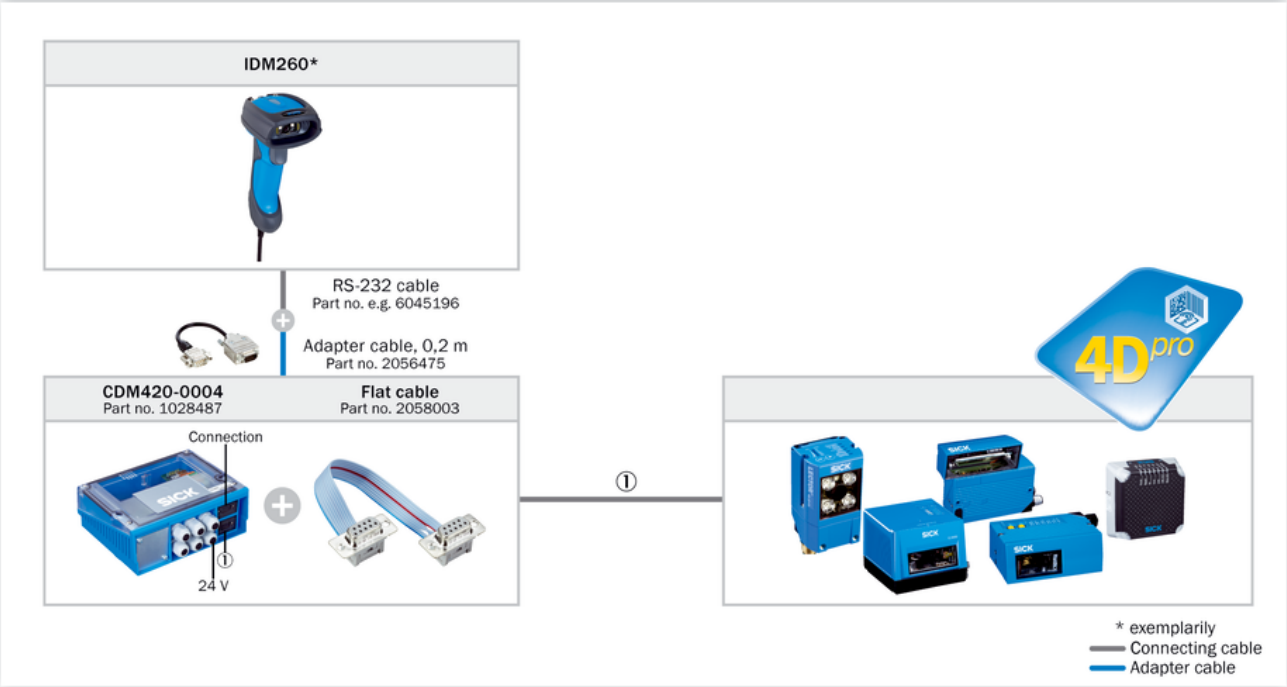
## Connection diagram EtherCAT<sup>®</sup>

### EtherCAT<sup>®</sup>



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).

## 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](http://www.sick.com)