

IDM160-411S USB Kit

MOBILE HANDHELD SCANNERS



MOBILE HANDHELD SCANNERS



Ordering information

Туре	Part no.
IDM160-411S USB Kit	6080733

Included in delivery: IDM160-411S (1), Connection cable (1)

Should you require further technical data, this can be found with the single scanner and the other parts of the kit.

Other models and accessories \rightarrow www.sick.com/IDM

CE

Detailed technical data

Version Standard Range Application Industrial application Scanner design Cable connection variant Light source LED, Visible, Red, 630 nm Reading distance 0 nm850 nm Scanner frequency > 500 H2 Code resolution > 0.076 nm Mechanics/electronics Source (Visitation deactivated): 230 mA Operation (Vibration activated): 230 mA Operation (Vibration deactivated): 180 mA Standby: 80 mA Musing color Biue, gray Performance Operation (Vibration deactivated): 180 mA Standby: 80 mA Musing color Biue, gray Performance Operation (Vibration deactivated): 180 mA Standby: 80 mA Performance Code 39, givithout cable Performance Oced 39, Gold 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 DataBar, Standard and Industrial 2 of 5, Interfevande Matrix 2 of 5, IATA, UPC / EAN / JAN, UPC / EAN / JAN (With datidion). Telepene, Matris 2 of 5, IATA, UPC / EAN / JA	Features		
Scanner design Cable connection variant Light source Cable connection variant Light source EED, Visible, Red, 630 nm Reading distance 20 mm 850 mm Scanning frequency 5 500 Hz Code resolution > 0.076 mm Mechanics/electronics Supply voltage Supply voltage 5 V DC, ± 10 % Current consumption Operation (vibration activated): 230 mA Operation (vibration deactivated): 180 mA Standby: 80 mA Standby	Version	Standard Range	
Light source LED, Visible, Red, 630 nm Reading distance 20 mm850 mm Scanning frequency 500 Hz Code resolution > 0.076 mm Mechanics/electronics Supply voitage 5 V DC, ± 10 % Current consumption Operation (vibration activated): 230 mA Operation (vibration deactivated): 180 mA Standby: 80 mA Standby: 80 mA Housing color Blue, gray P65 Veight 208 g, without cable 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, Stacked Standard and Industrial 2 of 5, Intereaved & Matrix 2 of 5, IATA, UPC / EAN / JAN (Wir dadition), relepen, MS/Plessey, UK/Plessey, UK	Application	Industrial application	
Reading distance 20 mm850 mm Scanning frequency 500 Hz Ode resolution > 0.076 mm Mechanics/electronics Supply voitage 5 V DC, ± 10 % Current consumption Operation (vibration activated): 230 mA Operation (vibration deactivated): 180 mA Standby: 80 mA Mousing color Housing color Blue, gray P65 Veight 036 g, without cable Out mm x 76.3 mm x 176 mm Performance Incode 39, Code 39, Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 DataBar, Standard and Industrial 2 of 5, Intereaved & Matrix 2 of 5, INTA, UPC / EAN / JAN (With addition), Telepen, MSI/Plessey, UK/Plessey,	Scanner design	Cable connection variant	
Scanning frequency ≤ 500 Hz Code resolution ≥ 0.076 mm Mechanics/electronics Supply voltage 5 V DC, ± 10 % Current consumption Operation (vibration activated): 230 mA Operation (vibration deactivated): 180 mA Standby: 80 mA Housing color Blue, gray Enclosure rating IP65 Veight 208 g, without cable Dimensions (L x W x H) 104 mm x 76.3 mm x 176 mm Performance Readable code structures 10 codes, Stacked Bar code types Code 390, Gode 39 Full SCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 Vereformance Code 39, Gode 39 Full SCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 Bar code types Code 39, Gode 39 Full SCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 Vereformance Code 39, Gode 39 Full SCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 Vereformance Stacked code types Bar code types Dof Stacked Bur code types Dof Stacked Vereformance Stacked code types Nucreformance Dof Stacked Bar code	Light source	LED, Visible, Red, 630 nm	
Code resolution ≥ 0.076 mm Mechanics/electronics Supply voltage 5 V DC, ± 10 % Current consumption Operation (vibration activated): 230 mA Operation (vibration deactivated): 180 mA Standby: 80 mA Housing color Blue, gray Enclosure rating P65 Veight 208 g, without cable Dimensions (L x W x H) 104 mm x 76.3 mm x 176 mm Performance Code 39, Code 39, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 Bar code types Code 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 Bar code types Do F417, MicroPDF417, Composite Code Interfaces UPC / EAN / JAN, With addition), Telepen, MSI/Plessey, JUK/Plessey, JUK/Plessey, Australian Post, Korea Post, Dutch KIX Post, Posi LAPA 4 State Code Stacked code types DPF417, MicroPDF417, Composite Code	Reading distance	20 mm 850 mm	
Mechanics/electronics Supply voltage 5 V DC, ± 10 % Current consumption Operation (vibration activated): 230 mA Operation (vibration deactivated): 180 mA Standby: 80 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 ID codes, Stacked Bar code types Do code 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 DataBar, Standard and Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC / EAN / JAN, UPC / EAN / JAN (with addition). Telepen, MSI/Plessey, Australian Post, China Post, Dernate, USP Postent, Entrish Post, Intelligent Mail, Japan Post, Korea Post, Dutch KIX Post, Posi LAPA 4 State Code Stacked code types VDF417, MicroPDF417, Composite Code INterfaces Image (Muthage) USB Image (Muthage)	Scanning frequency	≤ 500 Hz	
Supply voltage5 V DC, ± 10 %Current consumptionOperation (vibration activated): 230 mA Operation (vibration deactivated): 180 mA Standby: 80 mAHousing colorBlue, grayEnclosure ratingIP65Weight208 g, without cableDimensions (L x W x H)104 mm x 76.3 mm x 176 mmPerformanceID codes, StackedBar code typesCode 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 DataBar, Standard and Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC / EAN / JAN, UPC / EAN / JAN (with addition), Telepen, MSI/Plessey, UK/Plessey, Australian Post, China Post, Dutch KIX Post, Posi LAPA 4 State CodeInterfacesImage: Stacked code typesUSBImage: Stacked code typesFunctionKeyboard wedge, COM-Port emulation	Code resolution	≥ 0.076 mm	
Current consumptionOperation (vibration activated): 230 mA Operation (vibration deactivated): 180 mA Standby: 80 mAHousing colorBlue, grayEnclosure ratingIP65Veight208 g, without cableDimensions (L x W x H)104 mm x 76.3 mm x 176 mmPerformanceCode 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 DatBar, Standard and Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC / EAN / JAN, UPC / EAN / JAN (with addition), Telepen, MSI/Plessey, UK/Plessey, Australian Post, China Post, German Post, US Planet, US Postnet, British Post, Intelligent Mail, Japan Post, Korea Post, Dutch KIX Post, Posi LAPA 4 State CodeUSBImage: Matrix 2 Matrix	Mechanics/electronics		
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Enclosure ratingIP65Weight208 g, without cableDimensions (L x W x H)104 mm x 76.3 mm x 176 mmPerformanceID codes, StackedReadable code structures1D codes, StackedBar code typesCode 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 DataBar, Standard and Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC / EAN / JAN, UPC / EAN / JAN (with addition), Telepen, MSI/Plessey, UK/Plessey, Australian Post, China Post, German Post, US Polanet, US Postnet, British Post, Intelligent Mail, Japan Post, Korea Post, Dutch KIX Post, Posi LAPA 4 State CodeInterfacesImage: Matrix 2	Current consumption	Operation (vibration deactivated): 180 mA	
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Dimensions (L x W x H) 104 mm x 76.3 mm x 176 mm Performance ID codes, Stacked Readable code structures 1D codes, Stacked Bar code types Code 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 DataBar, Standard and Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC / EAN / JAN, UPC / EAN / JAN (with addition), Telepen, MSI/Plessey, UK/Plessey, Australian Post, Korea Post, German Post, US Planet, US Postnet, British Post, Intelligent Mail, Japan Post, Korea Post, Dutch KIX Post, Posi LAPA 4 State Code Stacked code types PDF417, MicroPDF417, Composite Code USB Image: Matrix 2 M	Enclosure rating	IP65	
Performance Readable code structures 1D codes, Stacked Bar code types Code 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 DataBar, Standard and Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC / EAN / JAN, UPC / EAN / JAN (with addition), Telepen, MSI/Plessey, UK/Plessey, Australian Post, China Post, German Post, US Planet, US Postnet, British Post, Intelligent Mail, Japan Post, Korea Post, Dutch KIX Post, Posi LAPA 4 State Code Stacked code types PDF417, MicroPDF417, Composite Code Interfaces Interfaces USB Image: Stacked wedge, COM-Port emulation	Weight	208 g, without cable	
Readable code structures1D codes, StackedBar code typesCode 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 DataBar, Standard and Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC / EAN / JAN, UPC / EAN / JAN (with addition), Telepen, MSI/Plessey, UK/Plessey, Australian Post, China Post, German Post, US Planet, US Postnet, British Post, Intelligent Mail, Japan Post, Korea Post, Dutch KIX Post, Posi LAPA 4 State CodeStacked code typesPDF417, MicroPDF417, Composite CodeUSBImage: FunctionFunctionFunction	Dimensions (L x W x H)	104 mm x 76.3 mm x 176 mm	
Bar code typesCode 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 DataBar, Standard and Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC / EAN / JAN, UPC / EAN / JAN (with addition), Telepen, MSI/Plessey, UK/Plessey, Australian Post, China Post, German Post, US Planet, US Postnet, British Post, Intelligent Mail, Japan Post, Korea Post, Dutch KIX Post, Posi LAPA 4 State CodeStacked code typesPDF417, MicroPDF417, Composite CodeUSBImage: Stacked code typesFunctionImage: Stacked code, COM-Port emulation	Performance		
DataBar, Standard and Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC / EAN / JAN, UPC / EAN / JAN (with addition), Telepen, MSI/Plessey, UK/Plessey, Australian Post, China Post, German Post, US Planet, US Postnet, British Post, Intelligent Mail, Japan Post, Korea Post, Dutch KIX Post, Posi LAPA 4 State Code Stacked code types PDF417, MicroPDF417, Composite Code Interfaces V Function Keyboard wedge, COM-Port emulation	Readable code structures	1D codes, Stacked	
Interfaces USB Function Keyboard wedge, COM-Port emulation	Bar code types	DataBar, Standard and Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC / EAN / JAN, UPC / EAN / JAN (with addition), Telepen, MSI/Plessey, UK/Plessey, Australian Post, China Post, German Post, US Planet, US Postnet, British Post, Intelligent Mail, Japan Post, Korea	
USB Image: COM-Port emulation	Stacked code types	PDF417, MicroPDF417, Composite Code	
Function Keyboard wedge, COM-Port emulation	Interfaces		
	USB	✓	
Optical indicators 2 LEDs (operational status, good read)	Function	Keyboard wedge, COM-Port emulation	
	Optical indicators	2 LEDs (operational status, good read)	

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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	-10 °C +50 °C
Storage temperature	-40 °C +70 °C
Permissible relative humidity	± 95 %, Non-condensing
Ambient light immunity	100,000 lx

General notes

Note

Not free of paint wetting impairment substances.

Classifications

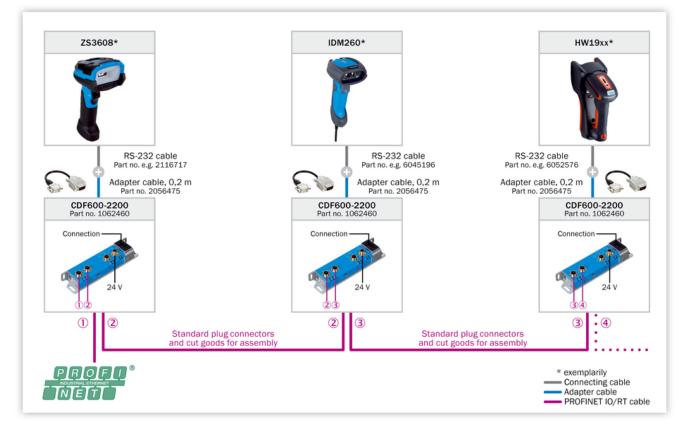
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ECLASS 8.1	27280101
ECLASS 9.0	27280101
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ECLASS 12.0	27280101
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ETIM 6.0	EC002550
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UNSPSC 16.0901	43211701

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Connection diagram

PROFINET IO/RT

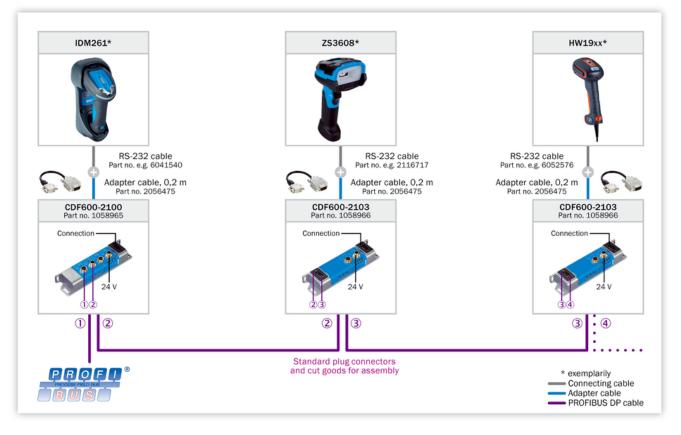
PROFINET IO/RT



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PROFIBUS DP

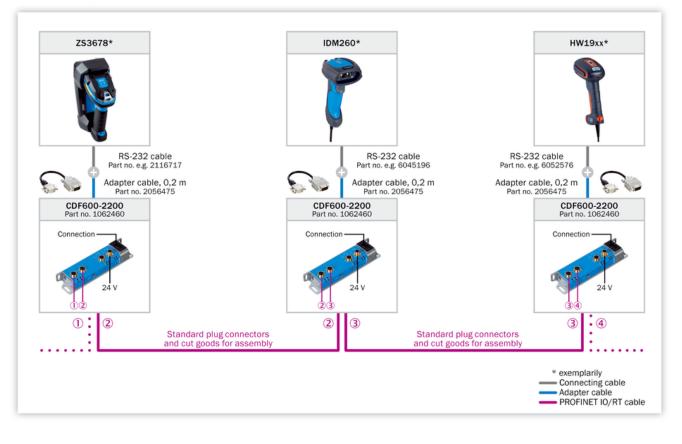
PROFIBUS DP



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Ethernet TCP/IP

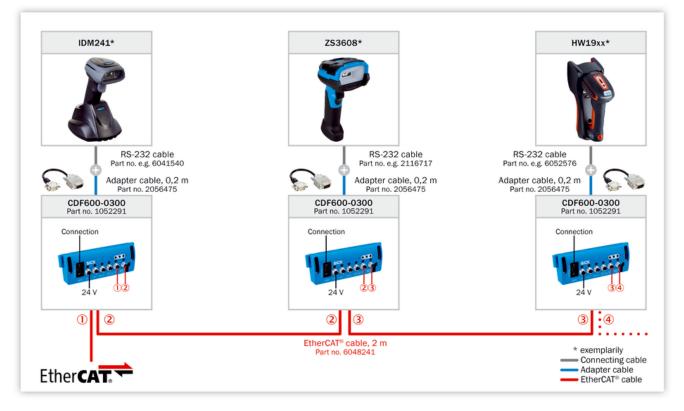
Ethernet TCP/IP



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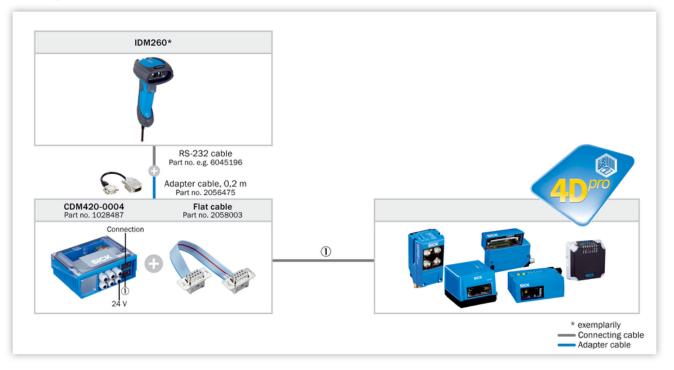
EtherCAT®

EtherCAT®



AUX looping

Looping-in via AUX



MOBILE HANDHELD SCANNERS

Selection Guide



Recommended services

Additional services -> www.sick.com/IDM

	Туре	Part no.
Extended warranty		
 Product area: Machine vision, LiDAR sensors, safety camera sensors, Safety laser scanners, Safety radar sensors, Radar sensors, Fixed mount barcode scanners, Image-based code readers, RFID, Mobile handheld scanners Range of services: The services correspond to the scope of the statutory manufacturer warranty (SICK general terms of delivery). Duration: Five-year warranty from delivery date. 	Extended warranty for a total of five years from delivery date	1680671

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



Online data sheet

