



The Bluetooth version is ideal for mobile applications used to collect data from 1D barcodes, 2D barcodes, postcodes and OCR in a potentially explosive atmosphere. The rugged version offers all highly developed ergonomic and functional features required in industrial applications. For the Bluetooth version there are several options for data transfer via Bluetooth.

Explosion protection

Marking ATEX Zone 2/22	II 3G Ex ic IIC T4 Gc II 3D Ex ic IIIB T135 °C Dc IP 64
Certification	EPS 16 ATEX 1113 X
Marking IECEX Zone 2/22	Ex ic IIC T4 Gc Ex ic IIIB T135 °C Dc IP 64
Certification	IECEX EPS 16.0050X
Marking CSA	Class I, II, III Div 2 Class I Div 2 Groups A, B, C and D Class II Div 2 Groups E, F Class III Class I Div 2 Class I Div 2 Groups A, B, C and D T4
Certification	applied for

Technical data

Physical features	
Dimensions (H x W x D)	185 mm x 76 mm x 142 mm
Weight	411 g
Operating current (full operation)	650 mA (typical)
Resting current (stand-by)	4 mA (typical)
Max. input voltage	4.2 V
Max. input power	2.275 W
Max. input current	10 A
Max. inner capacity	1105.2 µF
Max. inner inductivity	15.96 µH
Colour	Industrial green
Material	Lexane EXL 1414
User displays	Direct decoding display, LEDs, signal tone, vibration
Battery	Lithium-ion 3.6 V/3150 mAh
Cordless connection to	Bluetooth universal supply module, base station, Bluetooth-enabled terminal devices Bluetooth Class 1, Version 4.0 (LE), serial interface (SPP) and HID profile
Radio range (direct visual connection outdoors)	Via Bluetooth universal supply module, base station or Bluetooth-enabled terminal devices Class 1: at least 100.0 m Class 2: at least 10.0 m
Data rate	3 Mbit/s (2.1 Mbit/s) for classic Bluetooth 1 Mbit/s (0.27 Mbit/s) for Low Energy

Performance features	
Illumination	2 x LED, warm white
High-performance scanner 1D/2D imager SE4750	For scanning 1D barcodes, 2D barcodes, postcodes, OCR
User environment	
Ambient temperature	-20 °C to +50 °C
Storage temperature	-40 °C to +70 °C
Relative air humidity	5 % to 95 %, condensing
Protection class	IP 65
Insensitivity to ambient light	0 to 108,000 lux (in direct sunlight)
Programming/service programs	
Programming cable (from PC to scanner via USB)	Available as an option; for the use of Zebra Software Tools such as 123Scan ² to configure hand-held scanners in the safe area on a PC
Programming manual	Permits programming by scanning barcodes. Available at: www.zebra.com
123Scan ²	Programming of scanner parameters, firmware upgrades, provision of scanned barcode data and printing of reports. Available at: www.zebra.com
Scanner Management Service (SMS)	Performs remote administration of your Zebra scanners and retrieves its inventory data. Available at: www.zebra.com

Ordering information

BCS 3678 ^{ex} -NI	B7-A2S4-2HP1
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Technical data subject to change without notice.



The corded version is ideal for stationary applications used to collect data from 1D barcodes, 2D barcodes, postcodes and OCR in a potentially explosive atmosphere. The rugged version offers all highly developed ergonomic and functional features required in industrial applications. The corded version requires a universal supply module to guarantee ex-compliant voltage supply and data communication.

Explosion protection

Marking ATEX Zone 2/22	II 3G Ex ic IIC T4 Gc II 3D Ex ic IIIB T135 °C Dc IP 64
Certification	EPS 16 ATEX 1113 X
Marking IECEX Zone 2/22	Ex ic IIC T4 Gc Ex ic IIIB T135 °C Dc IP 64
Certification	IECEX EPS 16.0050X
Marking CSA	Class I, II, III Div 2 Class I Div 2 Groups A, B, C and D Class II Div 2 Groups E, F Class III Class I Div 2 Class I Div 2 Groups A, B, C and D T4
Certification	applied for

Technical data

Physical features	
Dimensions (H x W x D)	185 mm x 76 mm x 132 mm
Weight	309 g excluding cord
Operating current (full operation)	500 mA (typical)
Resting current (stand-by)	165 mA (typical)
Input voltage	5 V
Max. input power	2.75 W
Max. input current	550 mA
Max. inner capacity	752.57 µF
Max. inner inductivity	17.4 µH
Colour	Industrial green
Material	Lexane EXL 1414
User displays	Direct decoding display, LEDs, signal tone, vibration
Supported interfaces	RS232 (Scanner to the universal power supply module)

Performance features	
Illumination	2 x LED, warm white
High-performance scanner 1D/2D imager SE4750	For scanning 1D barcodes, 2D barcodes, postcodes, OCR
User environment	
Ambient temperature	-20 °C to +50 °C
Storage temperature	-40 °C to +70 °C
Relative air humidity	5 % to 95 %, condensing
Protection class	IP 65
Insensitivity to ambient light	0 to 108,000 lux (in direct sunlight)
Programming/service programs	
Programming cable (from PC to scanner via USB)	Available as an option; for the use of Zebra Software Tools such as 123Scan ² to configure hand-held scanners in the safe area on a PC
Programming manual	Permits programming by scanning barcodes. Available at: www.zebra.com
123Scan ²	Programming of scanner parameters, firmware upgrades, provision of scanned barcode data and printing of reports. Available at: www.zebra.com
Scanner Management Service (SMS)	Performs remote administration of your Zebra scanners and retrieves its inventory data. Available at: www.zebra.com

Ordering information

BCS 3608^{ex}-NI **B7-A2S4-1HP0**

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