

**Supplementary description – Translation of the original  
Addendum to user manual 11-A1S4-7D0001**

**BCS3600<sup>ex</sup> Series**

Type 17-A1S4-\*HP\*  
ATEX / IECEx Zone 1/21  
CSA Class I, II, III Division 1

Type B7-A2S4-\*HP\*  
ATEX / IECEx Zone 2/22  
CSA Class I, II, III Division 2

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# 1. General

The functionality of the scanner itself is not changed from original Zebra DS3608-HP and DS3678-HP series to our Ex versions.

Important is to know that the scanner is powered over a universal supply module (USM). This file describe what are the interface default settings of the interfaces what the USM provides.

The scanner send the data as standard RS232-TTL signal to the USM.

Standard ASCII code is transmitted.

The USM convert the data and provide the data with the following described interfaces.

Universal supply module (USM)	Order number	Available interface
For cabled scanner version BCS3608 <sup>ex</sup> -NI	B7-A2Z0-0042	<ul style="list-style-type: none"> <li>• USB-SPP*</li> <li>• RS232</li> <li>• RS422</li> <li>• RS485</li> </ul>
For cabled scanner version BCS3608 <sup>ex</sup> -IS	17-A1Z0-0018	
For Bluetooth scanner version BCS3678 <sup>ex</sup> -NI	B7-A2Z0-0043	
For Bluetooth scanner version BCS3678 <sup>ex</sup> -IS	17-A1Z0-0019	

\* USB is working only as SPP (Single Port Profile)

The scanner is connected via USB. On the PC/Host is the USB identified as serial interface.

HID is not supported by communication over USM.

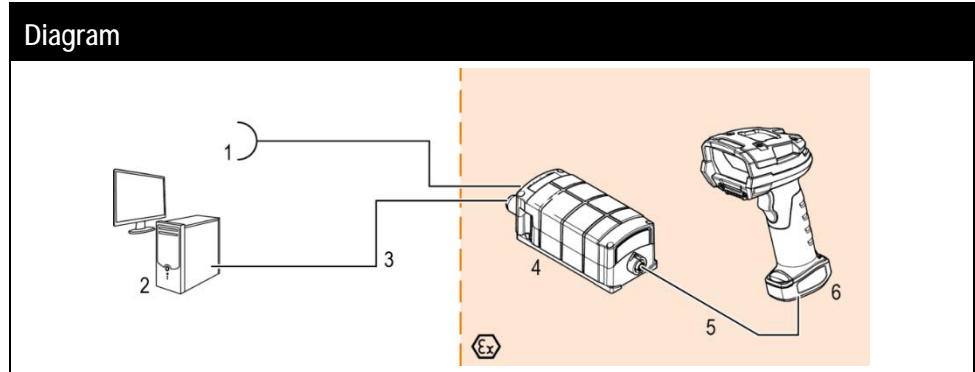
HID can be used only in following combination:

- BCS3678<sup>ex</sup> in combination with a non-Ex base station and USB connection cable.

Compatibility matrix						
Hand-held scanner	Universal Supply Module (USM) or Base Station	USB-HID	USB-SPP	RS232	RS422	RS485
<b>BCS3608<sup>ex</sup> - corded hand-held scanner</b>						
BCS3608 <sup>ex</sup> -NI B7-A2S4-1HP0	USM B7-A2Z0-0042	No	Yes	Yes	Yes	Yes
BCS3608 <sup>ex</sup> -IS 17-A1S4-1HP0	USM 17-A1Z0-0018	No	Yes	Yes	Yes	Yes
<b>BCS3678<sup>ex</sup> - Bluetooth hand-held scanner</b>						
BCS3678 <sup>ex</sup> -NI B7-A2S4-2HP1	USM B7-A2Z0-0043	No	Yes	Yes	Yes	Yes
BCS3678 <sup>ex</sup> -IS 17-A1S4-2HP0	USM 17-A1Z0-0019	No	Yes	Yes	Yes	Yes
BCS3678 <sup>ex</sup> -NI B7-A2S4-2HP1	Base station G7-A0Z0-0010	Yes	Yes	Yes	No	No
BCS3678 <sup>ex</sup> -IS 17-A1S4-2HP0	Base station 17-A1Z0-0014	Yes	Yes	Yes	No	No

## 2. Interface Default Settings

### 2.1 BCS3608<sup>ex</sup> – corded hand-held scanner



#### 2.1.1 USB-HID

USB-HID is not supported.

#### 2.1.2 USB-SPP

- USB-SPP is plugged in USB port on PC/Host.
- USB-SPP is recognized on PC/Host as (virtual) serial interface.

##### RS-232 Host Parameters (Default)

Baud Rate: 9600 Baud  
 Parity: None  
 Stop Bits: 1-Bit  
 Data Bits: 8-Bit  
 Hardware Handshaking: None  
 Software Handshaking: None

#### 2.1.3 RS232

- RS232 is plugged in serial port on PC/Host.
- RS232 is recognized on PC/Host as serial interface.

##### RS-232 Host Parameters (Default)

Baud Rate: 9600 Baud  
 Parity: None  
 Stop Bits: 1-Bit  
 Data Bits: 8-Bit  
 Hardware Handshaking: None  
 Software Handshaking: None

#### 2.1.4 RS422

- The RS422 is a standard interface.

##### RS-422 Host Parameters (Default)

Baud Rate: 9600 Baud

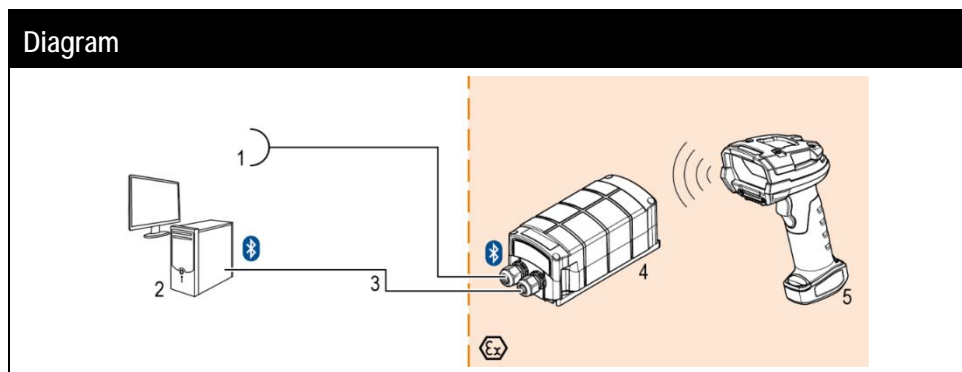
#### 2.1.5 RS485

- The RS485 is a standard interface.

##### RS-485 Host Parameters (Default)

Baud Rate: 9600 Baud

## 2.2 BCS3678<sup>ex</sup> – Bluetooth hand-held scanner



### 2.2.1 USB-HID

USB-HID is not supported.

### 2.2.2 USB-SPP

- USB-SPP is plugged in USB port on PC/Host.
- USB-SPP is recognized on PC/Host as (virtual) serial interface.

#### RS-232 Host Parameters (Default)

Baud Rate:	115200 Baud
Parity:	None
Stop Bits:	1-Bit
Data Bits:	8-Bit
Hardware Handshaking:	None
Software Handshaking:	None

### 2.2.3 RS232

- RS232 is plugged in serial port on PC/Host.
- RS232 is recognized on PC/Host as serial interface.

#### RS-232 Host Parameters (Default)

Baud Rate:	115200 Baud
Parity:	None
Stop Bits:	1-Bit
Data Bits:	8-Bit
Hardware Handshaking:	None
Software Handshaking:	None

## 2.2.4 RS422

- The RS422 is a standard interface.

### RS-422 Host Parameters (Default)

Baud Rate: 115200 Baud

## 2.2.5 RS485

- The RS485 is a standard interface.

### RS-485 Host Parameters (Default)

Baud Rate: 115200 Baud