

### General Description

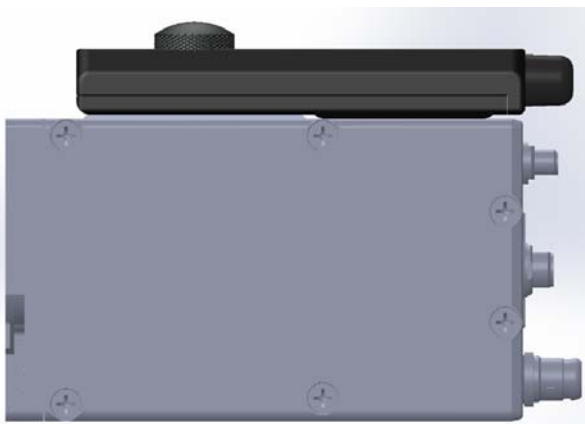
The SideBridge Elbit module provides a secure Bluetooth or Wi-Fi connection between a radio and an end-user-device (e.g. smartphone, tablet). The rugged module attaches directly to the side of the Elbit PNR-1000 radio and expands Personal Area Network (PAN) communications without the need for any wires. SideBridge connects the wealth of applications available on a standard smartphone or tablet including images, messaging and video – to the radio network.

The SideBridge module is a low cost, easy to use solution enabling superior communications to tactical radio users.

### SideBridge Elbit (SBE-BW-03)



### SideBridge Elbit, Side View



### SideBridge Elbit, Top View



### SideBridge Elbit Features and Benefits

- Wireless connectivity between a smartphone or other devices and a radio – no external cables required
- Secure IP communications
- Access to any smartphone application for secure wireless transfer of intelligence, surveillance, and reconnaissance data to/from a radio network
- Multiple users can access the data connection from one radio
- Rugged enclosure with external USB port for optional, wired link
- Operating range of up to 30 meters
- Connects directly to Elbit PNR-1000 tactical radio
- Supports wireless Bluetooth, WiFi, and other functions
- Push button allows the user to make SideBridge Elbit available for Bluetooth pairing

# SideBridge Elbit

SBE-BW-03



## SideBridge Elbit Dimensions



## SideBridge Elbit Specifications

<b>Wireless Standard</b>	Bluetooth v4.2 and LE* *Operates on Bluetooth Classic Wi-Fi IEEE 802.11 ac/a/b/g/n
<b>Frequency Range</b>	2.40-2.48 GHz (Bluetooth) 2.4 GHz (Wi-Fi)
<b>Maximum Data Rate</b>	1.2 Mbps* (Bluetooth) *Half the data rate at 30m Up to 65 Mbps (Wi-Fi)
<b>Communication Range</b>	30 meters
<b>Encryption</b>	IPSEC: AES-256 via VPN
<b>Wired Port</b>	External USB 2.0 Micro AB Receptacle – host and device
<b>Radio Connection</b>	Ethernet, Input Power
<b>Power Consumption</b>	<1 Watt, typical
<b>Weight</b>	100 grams
<b>Size</b>	33mm x 118mm x 17mm
<b>Operating Temperature</b>	-40°C to +85°C
<b>Shock and Vibration</b>	2 meter drop
<b>Water/Dust Protection</b>	IP68

## SideBridge Elbit Pin Interface

Pin	Name	Function	Direction
2	LAN_TD-	LAN interface	Output
3	5V	1A – supply to aux. devices	Output
4	LAN_TD+	LAN interface	Output
5	LAN_RD-	LAN interface	Input
12	LAN_RD+	LAN interface	Input
16	VBAT +	Main battery power (8-16 v; 1A)	Output
17	VBAT +	Main battery power (8-16 v; 1A)	Output
18	GND	GND	
19	VBAT -	Main battery power 1A Return	Output
20	VBAT -	Main battery power 1A Return	Output



Pin 1

For more information about SideBridge and DataSoft see: [www.datasoft.com](http://www.datasoft.com)

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