

# *BASSO-1010UW*

Serial RS232/485 to Portable WiFi Console



BASSO-1010UW is a dual-band WiFi Portable Console with IEEE 802.11 a/b/g/n supporting Infrastructure and Soft AP modes, enabling convenient usage according to users' desired mode. It also supports easy software settings, serial communication RS232 and RS485 using USB-A Port, providing superior communication capability up to 921.Kbps. Also supports wireless communication encryption modes such as WEP, WPA-PSK, WPA2-PSK and Enterprise. The BASSO-1010UW is a Serial to WiFi Portable Console device that wirelessly connects data collection, control, and monitoring of various facilities at industrial sites and improves portability with built in battery.

## Overview

### Supports COM Port Redirection (VCP)

Virtual serial port on the BASSO-1010UW which is connected through network, can be used as a COM port on a PC.

### Supports 2.4GHz, 5GHz Dual Band

Supports WiFi IEEE 802.11 a/b/g/n, 2.4GHz/5GHz Dual Band.

### Easy Setup

Configuration utility enables easy setup.

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Specifications subject to change without notice



## BASSO-1010UW Specification Sheet

WiFi	Frequency	2,412 ~ 2,462 MHz, 5,150 ~ 5,250 MHz, 5,725 ~ 5,850 MHz
	Standard	IEEE 802.11 a/b/g/n
	ANT	Built-in Patch Antenna 1.5dBi
	Mode	Station, Peer to Peer
Serial	Serial Port	1 Port RS-232/RS485 (USB-A TYPE)
	Speed	Max. 921.6Kbps
	Data bit	5, 6, 7, 8
	Stop bit	1, 2
	Parity bit	None, Even, Odd
	Signals	RS-232 : TXD, RXD RS-485 : TRXD+, TRXD-
Hardware	Dimension (W x L x H)	70 x 100 x 22.95mm (2.76 x 3.94 x 0.9in)
	Weight	120g (4.23oz)
	Operating Temperature	-10 ~ 60°C (14 ~ 140°F)
	Humidity	Max 95% R.H
	INPUT POWER	USB 5VDC 1A Input, Power Consumption: 0.5W
	Battery	3.7V 2000mAh, Li-Poly
	LED	Full (Green), Half(Yellow), Empty(Red)
Software	Protocol	COM Redirector, TCP Server/Client, UDP
	Security	WEP, WPA-PSK, WPA2-PSK, WPA-Enterprise, WPA2-Enterprise
	Support	TCP No-Delay Mode, TCP KeepAlive
	Configuration	sWiFi Config
Ordering Information		BASSO-1010UW

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Mode	Target Power [dBm]	Allowed Tolerance [dB]	Max Tune Up Power [dBm]	Measured Power [dBm]
b_Lowest_ANT 0	13	1	14	13.40
b_Middle_ANT 0	13	1	14	13.32
b_Highest_ANT 0	13	1	14	13.13
g_Lowest_ANT 0	18	2	20	18.03
g_Middle_ANT 0	18	2	20	18.09
g_Highest_ANT 0	18	2	20	18.00
n20_Lowest_ANT 0	18	2	20	19.19
n20_Middle_ANT 0	18	2	20	18.95
n20_Highest_ANT 0	18	2	20	18.84

Mode	Target Power [dBm]	Allowed Tolerance [dB]	Max Tune Up Power [dBm]	Measured Power [dBm]
U-NII-1 / a_Lowest_ANT 0	9	2	11	9.97
U-NII-1 / a_Middle_ANT 0	9	2	11	10.25
U-NII-1 / a_Highest_ANT 0	9	2	11	10.38
U-NII-1 / n20_Lowest_ANT 0	9	2	11	9.44
U-NII-1 / n20_Middle_ANT 0	9	2	11	9.77
U-NII-1 / n20_Highest_ANT 0	9	2	11	10.02
U-NII-2A / a_Lowest_ANT 0	10	2	12	10.35
U-NII-2A / a_Middle_ANT 0	10	2	12	11.21
U-NII-2A / a_Highest_ANT 0	10	2	12	11.49
U-NII-2A / n20_Lowest_ANT 0	9	2	11	9.34
U-NII-2A / n20_Middle_ANT 0	9	2	11	10.28
U-NII-2A / n20_Highest_ANT 0	9	2	11	10.12
U-NII-2C / a_Lowest_ANT 0	9	2	11	10.52
U-NII-2C / a_Middle_ANT 0	9	2	11	9.80
U-NII-2C / a_Highest_ANT 0	9	2	11	9.16
U-NII-2C / n20_Lowest_ANT 0	8	2	10	9.51
U-NII-2C / n20_Middle_ANT 0	8	2	10	9.31
U-NII-2C / n20_Highest_ANT 0	8	2	10	8.70
U-NII-3 / a_Lowest_ANT 0	7	2	9	8.60
U-NII-3 / a_Middle_ANT 0	7	2	9	8.22
U-NII-3 / a_Highest_ANT 0	7	2	9	7.92
U-NII-3 / n20_Lowest_ANT 0	7	2	9	8.61
U-NII-3 / n20_Middle_ANT 0	7	2	9	7.85
U-NII-3 / n20_Highest_ANT 0	7	2	9	7.88

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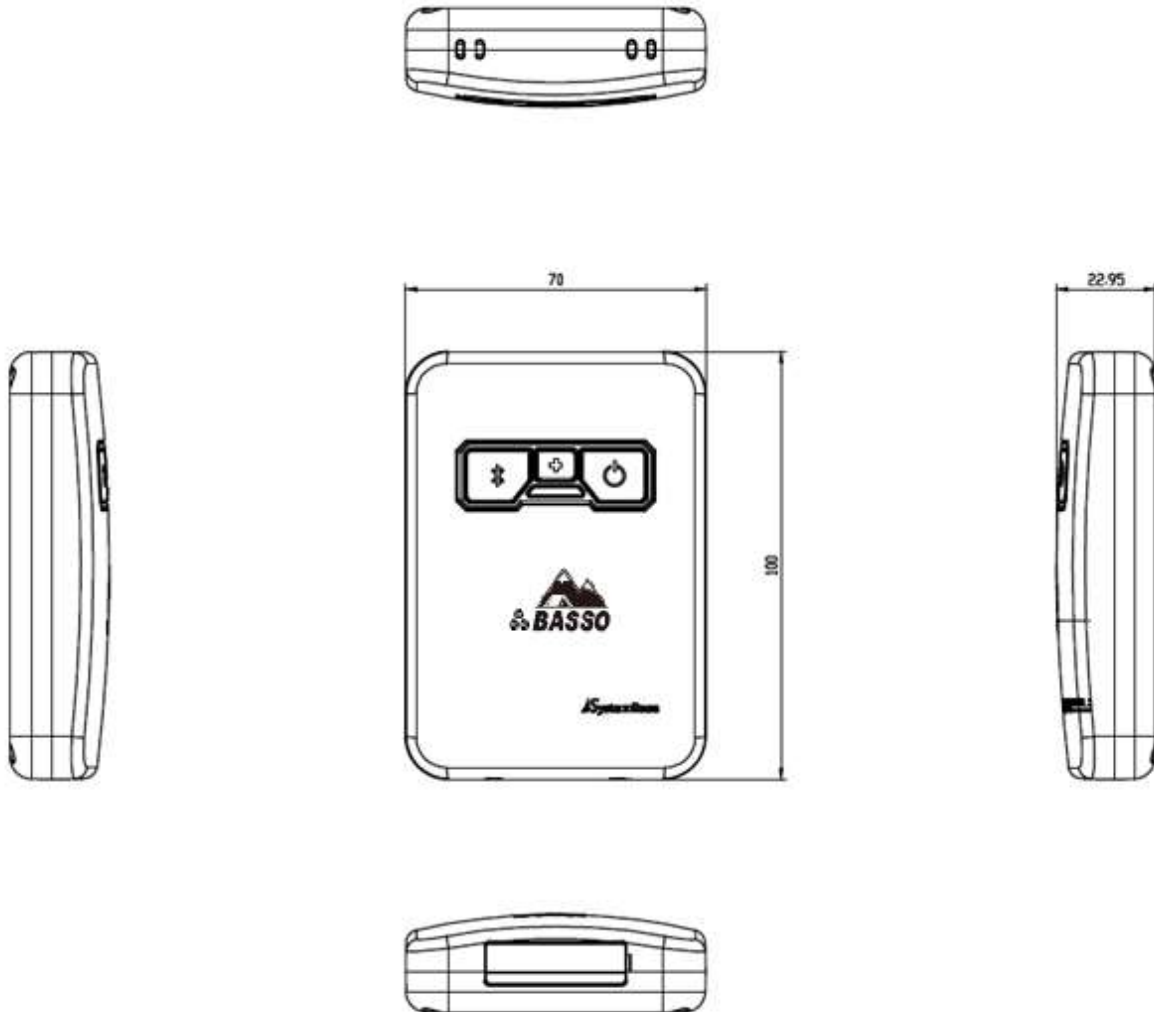
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### Dimension



Unit: mm

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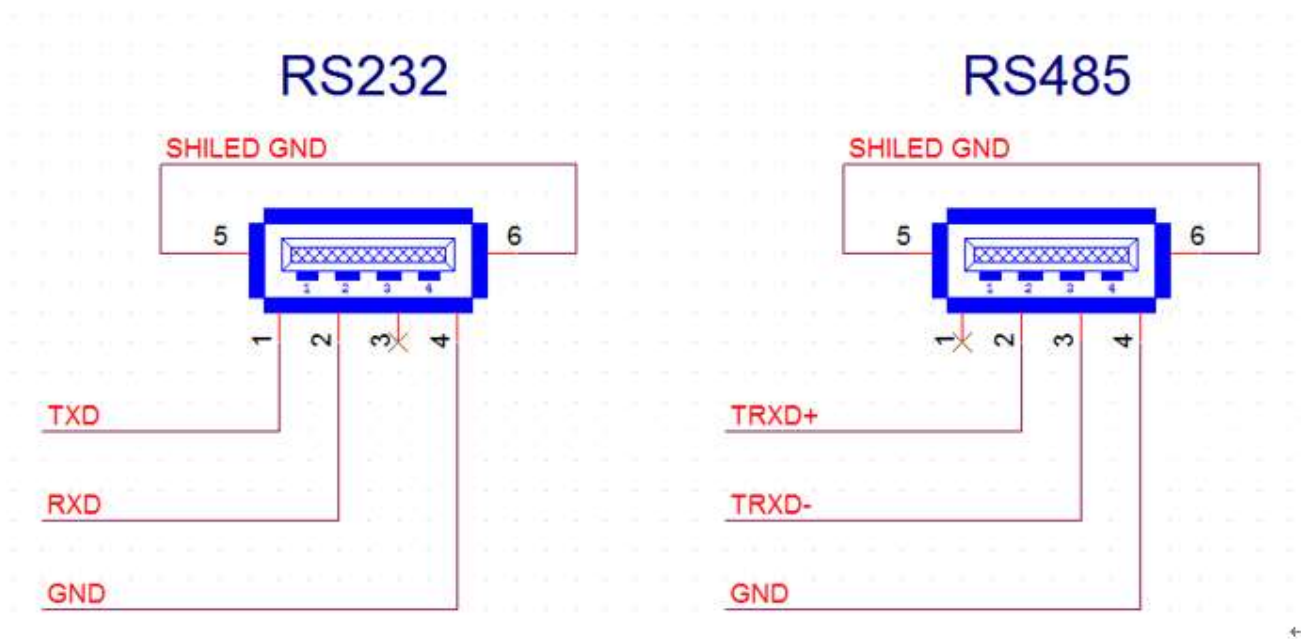


## Pin Assignment



Pin No. <sup>①</sup>	RS232 <sup>②</sup>	RS485 <sup>③</sup>
1 <sup>④</sup>	TXD <sup>⑤</sup>	- <sup>⑥</sup>
2 <sup>④</sup>	RXD <sup>⑤</sup>	TRXD+ <sup>⑥</sup>
3 <sup>④</sup>	- <sup>⑥</sup>	TRXD- <sup>⑥</sup>
4 <sup>④</sup>	GND <sup>⑤</sup>	GND <sup>⑥</sup>
5 <sup>④</sup>	SHILED GND <sup>⑤</sup>	SHILED GND <sup>⑥</sup>

①



④