

Wireless Bridge — serial over Bluetooth

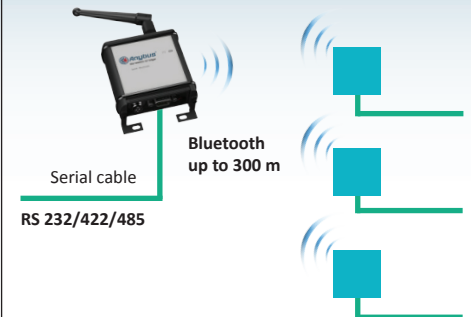
Anybus Wireless Bridge Serial enables you to create a robust wireless connection to a serial device via bluetooth. The solution is ideal for communication through hazardous areas or hard-to-reach locations where cables are not desirable.



EXAMPLE 1: Point-to-point serial



EXAMPLE 2: One access point for several nodes.



Availability

024140-B

Anybus Wireless Bridge Serial Bluetooth gateway (excluding cables and power supply)

Accessories

023040-B

Cable Kit with M9 Power connector including cable (2m) and serial cable (1.8m) with 2xDSUB, power adapter not included.

1.04.0085.00000

Magnetic antenna foot with 1,5 m cable and RPSMA connector, excl. antenna.

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Screw-mount antenna base with 1,5m cable and RP-SMA connector, excl. antenna

Connect serial devices over Bluetooth

Anybus Wireless Bridge for Serial over Bluetooth is a rugged wireless serial-port adapter with Bluetooth functionality. It allows connection of up to seven serial slaves with an RS-232/422/485 interface over Bluetooth.

Point-to-point or multipoint

Wireless Bridge is often used as cable replacement in point-to-point communication, but it can also be used as an access point for several Bluetooth nodes within range such as smartphones or iPads.

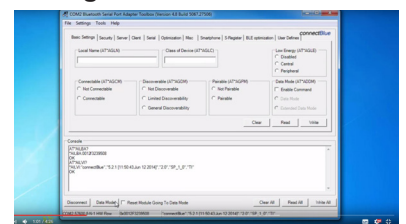
Features and benefits

- Range up to 300 meters.
- Rugged design with IP65-classed housing.
- Connects up to 7 slaves with a serial RS-232/422/485 interface via Bluetooth
- Easy configuration via ToolBox Windows program
- Advanced configuration with AT commands

Why Bluetooth?

- Reliable and noise immune wireless connection since Bluetooth switches between frequencies.
- Point-to-point or multipoint

Configuration



An included Windows tool allows you to set up the Wireless Connection without any programming. See how it works on www.anybus.com/wireless



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TECHNICAL SPECIFICATIONS	
Description	Serial bridge via Bluetooth
Order code	024140
Range	300 meters
Antenna	External
Operating temperature	-30 to +85 °C
Weight	190 g
Housing	Metal (IP65)
Dimensions W×H×D	76 x 85 x 35 mm
Connectors	Male DSUB (Serial) M9 Binder 712 (power)
ELECTRICAL CHARACTERISTICS	
Output power	13 dBm
Power supply	8-30 VDC
Power consumption	9mA @30V (min.) 20 mA @30V (average)
WIRELESS COMMUNICATION	
Communication type	Bluetooth v4.0 excl. BLE
Ethernet/Serial interface	RS232/422/485 Baud rate: 1200-460800 bits/s 8 data bits
Supported Bluetooth profiles	Serial Port Profile (SPP).
Throughput	460.8 Kbps
Max number of slaves	1
Security	Simple pairing Standard Bluetooth security
CERTIFICATIONS	
Europe	RED
U.S.	FCC/CFR 47 part 15 unlicensed modular transmitter approval
Canada	ISED (formerly IC) RSS
Japan	MIC - formerly TELEC
Medical qualification	IEC 60601-1-2

For more technical details and specifications, visit anybus.com

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