



Anybus Wireless Bridge product

Anybus Wireless Bridge - Serial - Bluetooth



Anybus® Wireless Bridge Serial - Bluetooth is a rugged dual-mode Bluetooth (Bluetooth Smart Ready) serial-port adapter with Bluetooth gateway functionality and u-blox Serial Port Service. It allows connection for up to seven serial slaves with an RS-232/422/485 interface over Bluetooth, with a max. range of up to 300 meters.

MINIMIZE WIRELESS INTERFERENCES

The Bluetooth Access Point features connectBlue Low Emission Mode® which solves any potential interference between classic Bluetooth and Wi-Fi that is not handled by Adaptive Frequency Hopping (AFH).

Further features implemented include Wireless Multidrop™ with simultaneous connections to both Bluetooth low energy and Classic Bluetooth devices and Extended Data Mode™ for separated multipoint data channels so that different data can be sent to or received from each slave.

EASY CONFIGURATION

The Wireless Bridge dual-mode Bluetooth serial port adapter is easily configured using the Windows®-based configuration program "Toolbox". Advanced configuration can also be made via AT commands.

FEATURES & BENEFITS

- Eliminates the need for expensive or maintenance-heavy cabling
- Connects up to 7 slaves with a serial RS-232/422/485 interface via Bluetooth
- Includes Wireless Multidrop™ with simultaneous connections to both Bluetooth devices
- Extended Data Mode™ for separated multipoint data channels so that different data can be sent to or received from each slave
- Features a Low Emission Mode®: Prevents disrupting other 2.4GHz radios
- Effective range of up to 300m or 984ft
- Easy configuration via ToolBox Windows program
- Advanced configuration with AT commands
- Conforms to wireless standards used in Europe, USA, Canada and Japan
- Rugged IP65 rated industrial design with choice of Antennas and accessories

BLUETOOTH™ INTERFACE

- Supports Bluetooth v2.1 (classic Bluetooth)
- Supports profiles: Generic Attribute Profile (GATT), Serial Port Profile (SPP), Personal Area Networking Profile (PAN), PANU and NAP roles (one connection)
- Connects up to 7 Bluetooth Slaves
- Wireless Multidrop™ with simultaneous connections to Bluetooth devices
- Extended Data Mode™ for separated multipoint data channels so that different data can be sent to or received from each slave.

SERIAL INTERFACE

- Connects via devices and machines equipped with an RS232/422/485 interface
- Supports serial baudrates: 1.2-460.8 kbit/s

Technical specifications

Version	Serial - Bluetooth
Dimensions (L•W•H)	76 x 85 x 35mm or 2,99 x 3,34 x 1,38"
Weight	190g or 0,42 lbs
Operating temperature	-30 to +85 °C or -22 to +185 °F
Output Power	13 dBm
Power supply	8-30 VDC
Power consumption	min. 9mA at 30V (20mA average at 30V)
Enclosure material	Metal
Mechanical rating	IP65
Mounting	Screw holes for wall mounting
Max Range	300 meters
Antenna/Connector	External / Yes (RPSMA)
Connectors	Male DSUB (Serial) Binder 712 (Power)
CERTIFICATIONS	
Europe	ETSI R&TTE
USA	FCC/CFR 47 part 15 unlicensed modular transmitter approval
Canada	ICC RSS
Japan	MIC - formerly TELEC
UL-Haz.Loc	-
Security	WEP64, WEP128, WPAPSK, WPA2-PSK, TKIP, CCMP (AES), LEAP, PEAP, EAP-TLS, 802.11i
Medical Qualification	IEC 60601-1-2

File	Version	Size	Read online
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Content of delivery

Wireless Bridge
Quick start documentation

Optional Accessories

Order Code: 1.04.0085.00000(Magnetic antenna foot with 1,5 m cable and RP-SMA connectors, excl. antenna)

Order Code: 1.04.0085.00003(Screwable antenna foot with 1,5 m cable and RP-SMA connectors, excl. antenna)

Ordering Information

Order code 024140

Power supply is **not** included. 3 year guarantee. For purchasing instructions and terms and conditions, see: [How to buy](#).

How to configure

How to replace a serial cable with Anybus Wireless Bridges



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