

Bluetooth Smart-antenna

for the RTCU X32 Series

The Bluetooth Smart-antenna is an exciting accessory for certain RTCU X32 units. It allows a wide group of applications to be implemented. The Bluetooth Smart-antenna supports the Serial Port Profile (SPP) and Hands-free Profile Audio Gateway (HFP-AG). These profiles supports connection to a wide range of devices, such as: PDA, Printer, Barcode reader, RFID reader, headset and hands-free speakerphone. The Bluetooth Smart-antenna is easy-to-use through the dedicated functions in the RTCU IDE development software.



The Bluetooth Smart-antenna extends certain RTCU X32 units with a Class 2 Bluetooth network. Allowing implementation of Bluetooth applications such as:

- Headset / Hands-free connection
- GSM voice call connection management
- Wireless cable replacement
- Wireless transfer of data between a RTCU X32 unit and a laptop or PDA
- Connect any SPP or HFP-AG compatible Bluetooth devices
- Connection to a broad range of devices: Printer, Barcode reader, RFID reader etc.
-*only the imagination is the limit!!*

The actual application for controlling the Bluetooth Smart-antenna is implemented in the RTCU X32 unit using an easy-to-use library of high-level VPL functions to search and connect to Bluetooth devices. Sending and/or receiving data on one of four possible SPP connections, both inbound and outbound connections can be configured. With the dedicated headset functions its easy to connect to a Bluetooth headset.

The Bluetooth Smart-antenna is easily connected to the RTCU X32 unit, as it comes with the headset and interface connectors ready for use.



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Key Features:

- Class 2 Bluetooth network
- Serial Port Profile (SPP)
- Up to four SPP connections
- Hands-Free Profile Audio Gateway (HFP-AG)
- Single HFP-AG audio connection (MX2i only)
- High-level VPL library
- Powered directly from the RTCU X32 unit
- 2.5mm headset plug (*MX2i only*)
- Built for tough environments
- Easy installation

Available versions:



Technical Specification:

Bluetooth					
Compliance	Bluetooth specification version 2.0 + EDR				
Class	2				
Profiles	SPP, HFP-AG				
Power supply	Min	Typ	Max		
Operating Voltage		3.3		VDC	
Current			130	mA	@3.3VDC
Storage temperature	-40	-	+85	°C	External interface: • Headset connector (<i>RT-O-BT1-MX2 only</i>) • RTCU X32 interface with supply and control • Activity LED (blue) • One user controllable Bi-Color LED
Operating temperature	-40	-	+85	°C	
Weight	25			g	
External dimensions	W 50 x H 20 x D 35 mm				
Enclosure	Black GP ABS material				

For more information

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