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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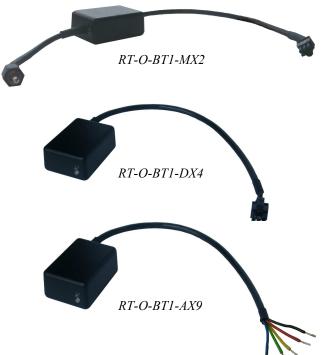
Page 1/2

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Key Features:

- \succ 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





Technical Specification:

Bluetooth						
Compliance	Blueto	Bluetooth specification version 2.0 + EDR				
Class	2	2				
Profiles	SPP, H	SPP, HFP-AG				
Power supply	Min	Тур	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	
Operating temperature	-40	-	+85	°C		
Weight		25 g			control	
External dimensions	W 50	x H 20 x	D 35 mm		 Activity LED (blue) One user controllable Bi-Color LED 	
Enclosure	Black	GP ABS	s material			
		For	more info	rmation		
		W	eb: www.r	tcu.dk		

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