

## Product Brief

# Rugged Serial Port Adapter 333s

The RUGGED SERIAL PORT ADAPTER™ 333s is a complete wireless serial cable replacement Bluetooth module. With its IP65-classed housing it is built for tough and demanding environments. It supports full Multipoint and Wireless Multidrop™ with up to 7 slaves.

### Key Features

- IP65-classed rugged metal housing
- RS232/422/485 interface
- Wireless Multidrop™ and Multipoint with up to 7 slaves
- Long Range (20 dBm)
- Designed for high performance/throughput
- Configurable for short latency/delay
- AT Command support
- ECI Command support
- Wireless LAN co-existence
- Configuration over Bluetooth
- Bluetooth Qualified as Product (Bluetooth version 2.0)
- Radio Type Approved for Europe, US and Canada
- Compliant with EMC, Safety and Medical standards
- Lead Free and RoHS compliant
- Only high quality components used
- External antenna with Reversed Polarity SMA connector
- Industrial and Automotive temperature range -30 - +85°C
- Individually tested and tuned in production
- Custom factory configuration possible

# Technical Data

## SPECIFICATIONS

### Bluetooth Support

Bluetooth version 2.0 (Qualified and Listed as Product)  
 Wireless Multidrop™ with up to 7 slaves  
 Supported Bluetooth Profiles:  
 Generic Access Profile (GAP)  
 Serial Port Profile (SPP)  
 Dial-up networking Profile (DUN GW, DUN DT)

Class I +20 dBm (>300 m)

### Bluetooth Chipset and Stack

Product based on Philips well known BGB204 chipset and Philips Host Stack

### Software

All software is included in the module.  
 Configurable locally or over Bluetooth using AT Commands or PC Wizard  
 ECI protocol  
 ECI Toolbox available

### Serial Interface

RS232/422/485  
 Supported baud rates: 300 – 921.6k  
 Support for non-standard baud rates  
 Flow control: CTS/RTS or none

### Housing

IP65-classed rugged aluminium box  
 Mounting brackets

### Connectors

Male 9-pin Dsub for serial interface  
 Binder 712 rugged plug for power supply

### Power Supply

8-30 VDC

### Current Consumption

Min: 10 mA @9VDC  
 Max: 50 mA @9VDC

### Dimension/Size

75.5 x 84.6 x 34.6 mm



### Type Approval

R&TTE (Europe)  
 FCC/CFR 47 part 15 unlicensed modular transmitter approval  
 IC (Industrie Canada)

### Environmental

Maximum operating temperature: -30 - +85 °C  
 Storage temperature: -40 - +85°C  
 Humidity RH 5-90% non-condensing  
 Shock and vibration: IEC 61131-2

### Certifications and Compliance

*R&TTE Directive 1999/5/EC*  
 EN 300 328 V1.6.1 (2004-11)

*EMC Directive: 89/336/EEC*

EN 301 489-1 V1.4.1 (2002-08)  
 EN 301 489-17 V1.2.1 (2002-08)  
 EN 61000-6-2 (2001)

### Safety Compliance

EN 60950-1:2001 and/or IEC 60950-1:2001 (1st Edition)  
 EN 60950-1/A11:2004 + Corrigendum:2004

### Medical Electrical Equipment

IEC 60601-1-2 (2001)

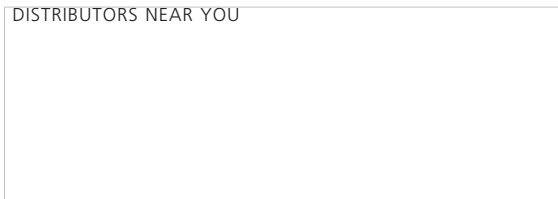


### Order Number

cB-RSPA333s-01 Rugged Serial Port Adapter 333s Complete Kit  
 Includes: RSPA333s-03 (External Antenna with 9-pin Dsub connector), RS-232 Cable, Binder 712 connector, mounting brackets, 10cm stub antenna, CD with configuration software

cB-RSPA333s-03 Rugged Serial Port Adapter 333s External Antenna with 9-pin Dsub connector including 10cm stub antenna

DISTRIBUTORS NEAR YOU



# connectBlue

connectBlue AB • Norra Vallgatan 64 • SE-211 22 Malmö • Sweden  
 Phone +46 40-6307100 • Fax +46 40-237137 • info@connectblue.se • www.connectblue.se