



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)

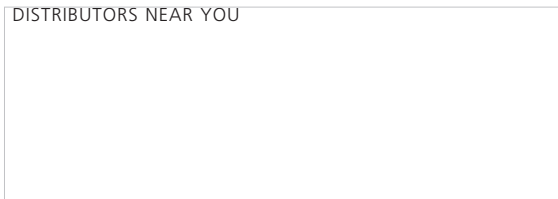


Order Number

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

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