

Product Brief Serial Port Adapter 312i

The SERIAL PORT ADAPTER™ 312i is a complete wireless serial cable replacement Bluetooth module for short range applications. With its IP20-classed plastic housing it is built for mounting in cabinets or direct on the wall. The adapter is available with both point-to-point firmware and Wireless Multidrop™ firmware.

Key Features

- RS232 interface
- Designed for high performance/throughput
- Configurable for short latency/delay
- AT 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
- Internal antenna
- Industrial and Automotive temperature range -30 - +85°C
- Individually tested and tuned in production
- Custom factory configuration possible
- IP20-classed plastic housing
- Wireless Multidrop™ firmware available

Technical Data

SPECIFICATIONS

Bluetooth Support

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

Class I +7 dBm (10 - 200 m)

Bluetooth Chipset and Stack

Product based on Philips well known BGB203 chipset and Philips Embedded Stack

Software

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

Serial Interface

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

Housing

IP20-classed plastic box
Easy accessed mounting holes
Detachable rubber feet

Connectors

Male 9-pin Dsub for serial interface
2.1 mm DC plug for power supply

Power Supply

4-6 VDC

Current Consumption

Min: 1.0 mA
Average: 27 mA
Max: 105 mA (Peak)

Dimension/Size

63 x 80.2 x 25.7 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

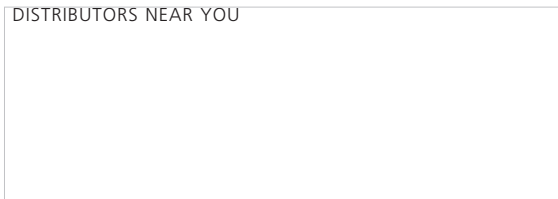
IEC 60601-1-2 (2001)

Order Number

cB-SPA312i-01 Serial Port Adapter 312i Complete Kit
Includes: SPA312i-02 (Internal Antenna with 9-pin Dsub RS-232 connector), RS-232 Cable, USB Power Cable, CD with Configuration Wizard

cB-SPA312i-02 Serial Port Adapter 312i Internal Antenna with 9-pin Dsub RS-232 connector

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