

Product Brief OEMSPA310

The OEM SERIAL PORT ADAPTER™ 310 series is a Bluetooth class 2 module with a small form factor and a low profile. It is optimized for cost efficiency, but without compromising functionality, quality or compatibility with other connectBlue Bluetooth and Wireless LAN modules.

Key Features

- Cost efficient
- Small in size
- Low profile
- Designed for high performance/throughput
- Configurable for short latency/delay
- AT Command support
- Wireless LAN co-existence support
- 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
- Different mounting options
- Module can be soldered directly on to host PCB
- Industrial and Automotive temperature range -30 - +85°C
- Individually tested and tuned in production
- Custom configuration possible

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 2 +3.5 dBm (up to 50 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

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

Power Supply

3.0 - 6.0 VDC

Current Consumption

Min: 7.9 mA
Average: 17 mA
Max: 70 mA (Peak)

Dimension/Size

16 x 36 x 2.4 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

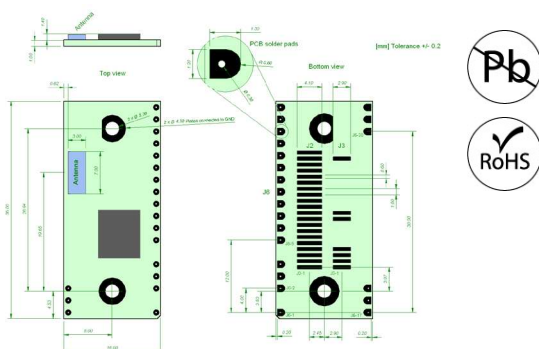
EN 301 489-1 V1.4.1 (2002-08)
EN 301 489-17 V1.2.1 (2002-08)
EN 61000-6-2 (2001)

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-OEMSPA310i-04 OEM Serial Port Adapter 310i Internal Antenna and Standard Connectors

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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

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