



## Wireless LAN



# Product Brief

## Wireless LAN Serial Port Adapter 311gi

The WIRELESS LAN SERIAL PORT ADAPTER™ 311gi is a complete wireless serial cable replacement Wireless LAN product. With its IP20-classed plastic housing it is built for mounting in cabinets or direct on the wall. The adapter has support for Wireless Multidrop™ with up to 7 slaves.

### Key Features

- RS232 interface
- Designed for high performance/throughput
- AT Command support
- Configuration over Wireless LAN
- WEP WPA WPA2 security software features
- 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™ with up to 7 slaves

# Technical Data

## SPECIFICATIONS

### Wireless LAN Support

802.11 specification

Security: Supports WEP, WPA and WPA2

### PHY/MAC

802.11b and 802.11g

Extended rate protection

Regulatory domain support

Power save control

Defragmentation

### Infrastructure modes

BSS

IBSS

### Security

WEP64

WEP128

WPA-PSK

WPA2-PSK

TKIP

CCMP (AES)

LEAP

### Software

All software including TCP/IP stack is included in the module

Configurable locally or over Wireless LAN using

AT commands or Windows Software

### 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 feets

### Connectors

Male 9-pin Dsub for serial interface

2.1 mm DC plug for power supply

### Power Supply

4-6 VDC

### Current Consumption

Min:TBD

Average: TBD

Max: TBD

### 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-WSPA311gi-01

Wireless LAN Serial Port Adapter 311gi Complete Kit  
Includes: WSPA311gi-02 (Internal Antenna with  
9-pin Dsub RS-232 connector), RS-232 Cable, USB  
Power Cable, CD with Configuration Software

cB-WSPA311gi-02

Wireless LAN Serial Port Adapter 311gi Internal  
Antenna with 9-pin Dsub RS-232 connector

DISTRIBUTORS NEAR YOU

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