



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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