Wireless LAN

Product Brief
Rugged Wireless LAN Serial Port Adapter 311gs

The RUGGED WIRELESS LAN SERIAL PORT ADAPTER™ 311gs is a complete wireless serial cable replacement Wireless LAN product. With its IP65-classed housing it is built for tough, demanding environments and can be installed directly in the customer's factory without any additional housing.

Key Features
- IP65-classed rugged metal housing
- RS232/422/485 interface
- 802.11b+g (54 Mbit/s) Wireless LAN version
- Long Range (20 dBm)
- Designed for high performance/throughput
- AT Command support
- Wireless Multidrop™ with up to 7 slaves
- 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
- 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

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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
RS232/422/485
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:TBD
Max: TBD

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-RWSPA311gs-01	Rugged Wireless LAN Serial Port Adapter 311gs Complete Kit	
	Includes: RWSPA311gs-03 (External Antenna with 9-pin Dsub connector), RS-232 Cable, Binder 712 connector, mounting brackets, 10cm stub antenna, CD with Configuration Software	
cB-RWSPA311gs-03	Rugged Wireless LAN Serial Port Adapter 311gs External Antenna with 9-pin Dsub connector including 10cm stub antenna	

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