



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Features:

- *Auto-Configuring*
- *100mW Transmit Power*
- *2.4GHz*
- *Seamless fit into existing wired networks*
- *Multiple Interfaces*
- *Automatic Relay*

Benefits:

- *Low Cost/High Power*
- *Easy to install and use*
- *Deployable in a wide range of uses*
- *Excellent range and coverage indoors and out*
- *License-free deployment around the world*
- *Reliable communications even when a direct path is blocked*

Built on 802.15.4 technology, the ZN-241G is ideal for a range of applications from simple RS-232 cable replacement to sophisticated multi-drop RS-485 networks and everything in between. Available in RS-232, USB and industrial RS-485 models, the ZN-241G has an Auto-Configure feature that removes the need for ANY modem configuration. For demanding applications, the ZN-241G is completely configurable to support a variety of different needs. With a full 100mW of transmitted power, the ZN-241G can cover an entire factory floor or bridge distances of a mile or more outdoors.

ZN-241G

General Purpose Wireless Serial Modem

**Radio Specifications**

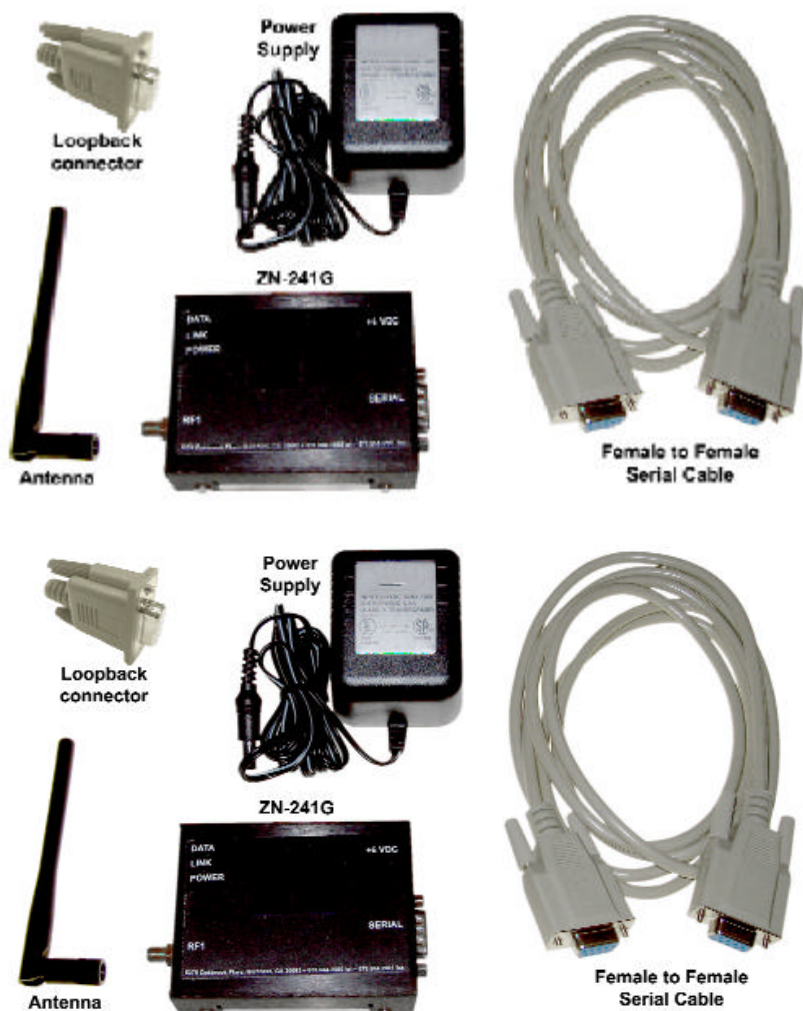
RF Frequency	2401 - 2483.5 MHz
Spreading Technique	Direct Sequence Spread Spectrum
Modulation	O-QPSK
Transmit Power	+18 dBm at antenna connection; 100mW with 2dBi dipole antenna (included)
Receive Sensitivity	-95 dBm for 10-5 BER
RF Channels	16 User selectable
RF Data Rate	250 Kbps
Antenna Connector	Reverse SMA Male

Electrical Specifications

Operating Voltage	6VDC - 12VDC
Power Consumption	2W Max peak; 750mW typical
Operating Temperature	-40°C to +85°C
Serial Interfaces	ZN-241G — RS-232 ZN-241GU — USB ZN-241GI — RS-485 half-duplex
Indicators	Power Link Activity

Mechanical Specifications

	ZN-241G	ZN-241GU	ZN-241GI
Case Materials	Black Anodized Aluminum		
Dimensions (mm)	82.5mm x 64.24mm x 25.5mm		
Weight	122g		
Data Connector	DB9	USB Type B	Screw Terminals
Power Connector	DIN Connector		2 Terminal Connector



Value

Even with the high transmit power, the Murata ZN-241G is priced to fit any budget, making the choice to replace wires even more compelling. With the multiple interfaces and multiple operating modes, the ZN-241G delivers unsurpassed value for any application. The ZN-241G is built on standard 802.15.4 radio technology and provides a crisp 250Kbps over-the-air data rate using Direct Sequence Spread Spectrum methods. The result is a wireless network with plenty of data throughput for most applications and the robustness to provide reliable, worry-free data transmission.

Versatility

Operating in the international license-free 2.4GHz frequency the ZN-241G can be deployed around the world. With the choice of an RS-232, a USB or an RS-485 interface, the ZN-241G has a model to fit almost any application. The Auto-Configure feature makes setting up point-to-point links a snap. The broadcast mode coupled with the RS-485 interface, provides a simple replacement for half-duplex, multi-drop RS-485 wiring. The ZN-241G also has a fully-addressable multi-point mode to support more demanding applications. Whatever your need, the ZN-241G can handle it.

Even though the ZN-241G is a low cost wireless modem, it includes a repeater function to help overcome signal blockages. This function allows a remote node to relay data through another remote node when the direct path is blocked. Similarly, a remote node can receive data through another remote node when the direct path from the base is blocked.