

WIT2411

2.4GHz Spread Spectrum Wireless Industrial Transceiver

Integration Guide

(PRELIMINARY)

October 18, 2001



CIRRONET.

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Note: This unit has been tested and found to comply with the limits for a class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Commensurate with EIRP limits specified in FCC Rules 15.247b, this device may not be used with antennas that exceed 36dB of gain in point-to-point applications or 16dB of gain in multi-point applications.

If the WIT2411 is installed within another device the outside of the device into which the WIT2411 is installed must also display a label referring to the enclosed module. The label required for the WIT2411 module is as follows: **Transmitter Module FCCID: HSW-2411M.**

About This Manual

This manual is designed to allow integration of the Cirronet™ WIT2411 OEM module into complete products. Care has been taken to try and make sure all of the information in this manual is accurate. However, specifications can change over time and Cirronet cannot guarantee the accuracy of this information. If you have any questions on any information in this manual, please contact Cirronet Technical Support at +1-678 684 2000.

Notice to WIT2411 users/installers using the following fixed antenna:

Mobile Mark 9dBi Corner Reflector

The field strength radiated by this antenna, when connected to a transmitting WIT2411 module, may exceed FCC mandated RF exposure limits. FCC rules require professional installation of this antenna in such a way that the general public will not be closer than 2 m from the radiating aperture of this antenna. End users of these systems must also be informed that RF exposure limits may be exceeded if personnel come closer than 2 m to the aperture of this antenna.

Notice to WIT2411 users/installers using the following mobile antennas:

Mobile Mark 9dBi omnidirectional,
Cirronet 6dBi patch,
Ace 2dBi dipole,

The field strength radiated by any one of these antennas, when connected to a transmitting WIT2411 module, may exceed FCC mandated RF exposure limits. FCC rules require professional installation of these antennas in such a way that the general public will not be closer than 20 cm from the radiating aperture of any of these antennas. End users of these systems must also be informed that RF exposure limits may be exceeded if personnel come closer than 20 cm to the apertures of any of these antennas.



Declaration of Conformity

We,

Cirronet™ Incorporated
5375 Oakbrook Parkway
Norcross, Georgia 30093 USA

declare under our sole responsibility that the product,

WIT2411

To which this declaration relates is in conformity with the following standards or other normative documents:

ETS 300 328 (November 1996)
ETS 300 826
EN60950

following the provisions of the R&TTE Directive.

Norcross, Georgia January 29,2001

Timothy D. Cutler
Vice President

Use Within the European Union

The WIT2411 is intended for use within the following European Community States:

Austria, Belgium, Denmark, Finland France, Germany, Greece, Ireland, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden and the United Kingdom

The WIT2411 is also intended for use in the following non-European Union States:

Iceland, Norway, Switzerland

Use of the WIT2411 in France

When used in France, the WIT2411 can only be operated with the France hopping pattern selected. This is accomplished by setting the **pe** parameter to TBD. Refer to Section 5.3 *Protocol Commands* for details.

Use of the WIT2411 in Spain

When used in Spain, the WIT2411 can only be operated with the Spain hopping pattern selected. This is accomplished by setting the **pe** parameter to TBD. Refer to Section 5.3 *Protocol Commands* for details.

Use of the WIT2411 in Another Product

Manufacturers that incorporate the WIT2411 into a product they place on the market in the European Union must notify the national authority responsible in the relevant Member State for spectrum management of the intention to place such equipment on its national market.