

ETRX2CF – (ZigBee Technology)

Wireless Mesh Networking Compact Flash Card



To accompany the Telegesis ETRX2 wireless mesh networking modules the ETRX2CF universal compact flash cards offers an easy way to ZigBee enable portable handheld devices.

Via a virtual com port the Telegesis AT-Command interface - based on the Ember Corporation EmberZNet 2.xx meshing stack - can be easily accessed by the application software. Custom firmware development is also supported.

CF CARD FEATURES

- ETRX2CF acts as a CF+/PCMCIA to serial bridge connected to an ETRX2 module.
- Driver Support for Pocket PC, Windows & Linux.
- Telegesis Terminal support for Windows.
- Allows access to the module's AT-Command line interface via a virtual com port.
- Form factor: Extended Compact Flash Type II.
- In circuit Programming/Debugging Headers allow for custom firmware development based on the ETRX2 platform.
- Supports low power modes.
- Operating Temperature range -40°C - +85°C.

WINDOWS SOFTWARE

In a Windows environment the virtual com port driver makes the ETRX2CF card appear like a ETRX2 module which is connected serially.

POCKET PC SOFTWARE

Telegesis provides drivers as well as a simplified Telegesis Terminal application software for Pocket PC. For application developers the source code of the simplified Telegesis Terminal can be obtained as a helpful starting point.

ETRX2 FEATURES

- ETRX2CF is based on the ETRX2 (Ember Corporation EM250 single chip ZigBee/802.15.4 solution with on die 16-bit XAP2b microprocessor).
- No need for RF design experience or expertise.
- 2.4GHz ISM Band digital direct sequence spread spectrum transceiver.
- Hardware acceleration for IEEE802.15.4 operations.
- Hardware supported encryption (AES-128).
- Pre-programmed with Telegesis AT-Command interface.
- Can be configured to act as a ZigBee coordinator, router or end device.
- Ideal for use as a commissioning tool when setting up networks.

The ETRX2CF is also available in a Power Amplified form – see ETRX2-PA for range & specification details.

