



STRX2CF Wireless Mesh Networking Compact Flash Card

To accompany the Telegesis STRX2 wireless mesh networking modules the STRX2CF 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 STMicroelectronics meshing stack - can be easily accessed by the application software. Custom firmware development is also supported.

CF Card Features

- STRX2CF acts as a CF+/PCMCIA to serial bridge connected to an STRX2 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 STRX2 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 STRX2CF card appear like a STRX2 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 sourcecode of the simplified Telegesis Terminal can be obtained as a helpful starting point.

STRX2 Features

- STRX2CF is based on the STRX2 (STMicroelectronics SN250 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

