



STRX2USB Wireless Mesh Networking USB Stick

To accompany the Telegesis STRX2 wireless mesh networking modules the STRX2USB universal serial bus stick offers an easy way to ZigBee™ enable personal computers. Using 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.

USB Features

- STRX2USB acts as a USB2.0 to serial bridge connected to an STRX2 module
- Driver Support for Windows 98SE/2000/XP, MAC OS-9, MAC OS-X, Linux
- Telegesis Terminal support for Windows
- Allows access to the module's AT-Command line interface via a virtual com port
- USB bus powered
- Supports Low power Modes
- USB 2.0 Full Speed Device, backwards compatible to USB1.1 hosts
- Form factor: USB Stick L82mm x W29mm x H12mm
- In circuit Programming/Debugging Headers allow for custom firmware development based on the STRX2 platform
- On Request application specific firmware can be developed
- Operating Temperature range -40°C - +85°C

STRX2 Features

- STRX2USB 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

Windows Software

As a helpful starting point for developers, Telegesis supplies the Telegesis Terminal application with the STRX2USB. This terminal program fully supports the USB Module.

Host application development is very straightforward as the STRX2USB node is simply accessed via a virtual com port.

