



ACTIVE RFID



The Wavetrend .Net Software Development Kit (SDK) is a powerful set of tools that enable developers and system integrators to interface Wavetrend's Active RFID data with existing applications. The SDK also allows the quick and easy design, development and execution of new RFID applications for pilot trials up to large scale deployed solutions that will make use of Wavetrend's Active RFID technology. The kit consists of the following modules:

- The .NET component library DLL
- Latest version of the ReaderNet Analyzer – **Analyzer 2007**
- API Reference HTML Documentation
- API Reference Architecture Documentation
- Ready-to-compile sample applications in VB.net and C#.net
- Ready-to-run utility applications

Typical Applications

The .Net SDK allows for new and existing asset management, RTLS and track & trace systems across all vertical markets to be enabled to work with Wavetrend's world leading active RFID hardware. You can also rapidly build and deploy custom applications to meet a customer's specific needs in regard to active RFID technology by using the .Net SDK.

KEY FEATURES	BUSINESS BENEFITS
<ul style="list-style-type: none"> ▪ Quick & easy installation of the SDK giving you access to sample applications and source code along with reference API and architecture documentation. ▪ Modular architecture allowing you to use the SDK to suit your specific requirements. ▪ Supports Microsoft® Visual Studio .NET 2005® which provides an integrated development platform along with Microsoft® .NET Framework 2.0® and above. ▪ Ease of use in integrating into your preferred choice of development languages. ▪ Event based system specific to the functionality of Wavetrend's reader hardware. ▪ Ability to run diagnostics and configure reader parameters and filters. ▪ Includes Analyzer 2007 – the latest version of Wavetrend's reader & reader network utility application containing full configuration, trace, data logging and debug tools. Analyzer 2007 can now analyze & configure all types of Wavetrend readers. 	<ul style="list-style-type: none"> ▪ Enhanced application functionality exposing the full feature set of our hardware. ▪ Large reduction in your development costs through reducing your application development time. ▪ Our single license fee allows you to use the SDK to develop multiple customised applications. ▪ The single licence allows use of the SDK by several of your developers simultaneously. ▪ Unlimited distribution of your final application free of future royalty and license fees. ▪ Future-proof your application for the introduction of new or upgraded reader types from Wavetrend. API upgrades to the SDK will allow the easy upgrade of your application's interface without significant re-coding. ▪ Enhanced scalability of the system over previous Wavetrend SDK's. ▪ Improved Developer Support: ▪ Extensive documentation & help files provided with the SDK. ▪ Email and telephonic support available.

Standard Specifications

Supported Wavetrend Readers

The SDK supports L Series for the following Wavetrend readers:

RX201	Serial/RS485 Reader
RX300	Serial Reader
RX900	Ethernet PoE Reader
RX1000	WiFi Reader

Air Interface Protocols

'L-Series' refers to a proprietary communication protocol used between Wavetrend tags and readers.

Operating Systems Supported

- Microsoft Windows 2000 / Server Edition
- Microsoft XP Professional / Home Edition
- Microsoft Windows 2003 / Server Edition

Hardware Supported

- PC or laptop with at least 512MB RAM and 100MB available on your hard drive
- Processor: dependant on the operating system chosen

Development Tools required

- Microsoft Visual Studio 2005
- Microsoft .Net Framework 2.0 or above

Supported Communication Protocols

- RS232
- TCP/IP
- 802.11 (WLAN)

Ordering & Further Information

For more information on the AN100 Whip Antenna or for information on how to purchase it please email Wavetrend's Sales team:

sales@wavetrend.net

For more information on Wavetrend, our active RFID products & Professional Services and on joining our Accredited Partner program, visit our website:

www.wavetrend.net

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Certifications

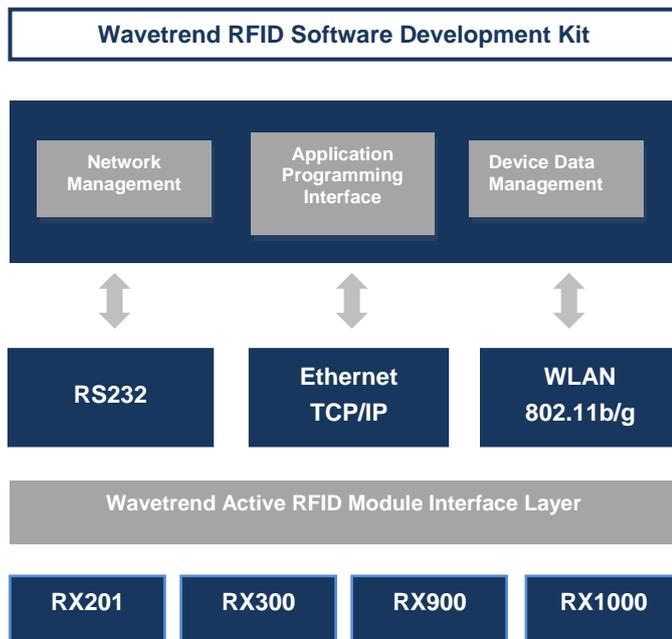


Figure 1: .Net SDK Architecture