Skye**Ware 4**

SkyeTek develops reader technology that allows you to embed RFID as a feature in your products.

Product Authentication   Access Control   Contactless Payment

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skyetek™

Comprehensive Embedded RFID Configuration and Evaluation Software

SkyeWare4 is included in all SkyeTek Module Developer Kits.

Benefits
- Flexible enough for pilot and production designs in support of nearly any application
- Fast and easy completion of reader evaluations
- Quick launch of multiple demonstrations
- Easy-to-use, common interface for configuring and testing multiple tag types
- Clear visibility of tag data on multiple tag types

Featured Embedded Applications
- Product Authentication
- Access Control & Payment
- Patron Management
- Item-Level Inventory

Product Overview

SkyeWare™ takes another leap forward as one of the most comprehensive RFID reader application development toolkits available in the industry with the introduction of SkyeWare 4 which offers a powerful and straightforward new approach to usually awkward and clumsy developer kits.

Included with every SkyeTek module Developer Kit, SkyeWare 4 provides companies a quick and intuitive interface to evaluate embedded RFID. By connecting a SkyeModule™ reader module to a computer loaded with with SkyeWare, developers can immediatly configure the reader and begin testing code. SkyeWare 4 empowers developers to focus on designing and configuring an RFID solution – instead of focusing on how to install and run the developer kit.

Flexible pilot and production designs in support of nearly any application - provides robust testing environment to support design, integration and prouction stages for successful proof-of-concepts.

Fast and easy completion of reader evaluations - unveils the full capabilities of SkyeTek's embedded reader modules for integration into OEM products to determine fit and feasibility.

Quick launch of multiple demonstrations - showcases demos for anti-collision, read range, memory, secure memory, product authentication, payment and access control all built on SkyeTek's application programming inteface, SkyeAPI.

Easy-to-use, common interface for configuring and testing multiple tag types - optimizes read range, anti-collision and environmental considerations to select ideal tags that best fit target application.
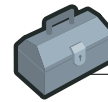
Clear visibility of tag data on multiple tag types - explores secutiry for both proprietary security on branded tags and standards-based security on generic tags with extended memory.

SkyeWare Elements:

RFID Security: SkyeWare 4 provides developers with the same security technology that is used in DoD, Internet, and Financial applications. The Advanced Encryption Standard (AES) family of encryption provides up to 256-bit symmetric encryption and the Secure Hash Algorithm (SHA) family of hashing provides best-in-class anti-cloning protection for applications such as product authentication and anti-counterfeiting. SkyeTek implements these algorithms in industry standards fashion allowing customers to secure generic tags and avoid the 100 – 200% premium that is charged on tags that implement a proprietary form of cryptography. SkyeWare 4 also support proprietary forms of security including MIFARE, DESFire and CryptoRF and for companies desiring to integrate with existing systems or specific application requirements.

Tagnostic®: SkyeTek's reader modules support more UHF and HF tags than any other comparable reader on the market. Truly tag agnostic, SkyeWare 4 allows developers to make design and integration decisions around tag selection long before creating a prototype.

TagIQ™: SkyeTek refers to its intimate knowledge of tags and their various behaviors as TagIQ™ and it ensures that the hardware and software platform squeezes every ounce of performance out of every supported tag.

About Skyetek:

SkyeTek, Inc. is the leading supplier of RFID reader software and reference designs that enable the pervasive adoption of RFID technology. SkyeTek's Tagnostic™ reader technology works with most industry standard tags and smart labels, its low power requirements and a small form factor make it the optimal choice for embedding into new or existing products.

Setup Wizard

SkyeWare 4 provides a hands-on wizard to help users set up a reader and application without the overhead of wondering what to do next.
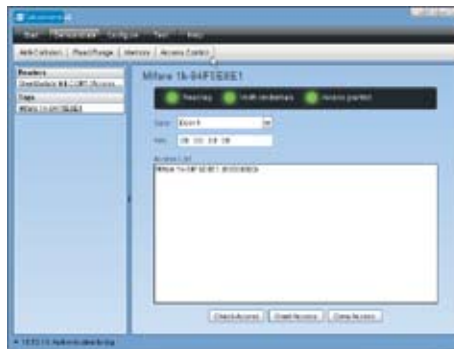
The wizard provides access to advance options such as firmware loading and configuration screens.

Application Demos

SkyeWare 4 supports demos for nearly any RFID application and delivers specific user interfaces for quickly setting up and demonstrating three of the most common applications:

Product Authentication. Demonstrates the features of the Product Authentication firmware personality. Tags are set up in a single screen with secure memory and then can be read only by an authorized reader.

Access Control. Demonstrates using tags supported within the Access Control firmware personality to provide access to secure locations by applying different policies.

Contactless Payment. Detects contactless payment credit cards and demonstrates retrieving Track 1 and Track 2 data using the Contactless Payment firmware personality.
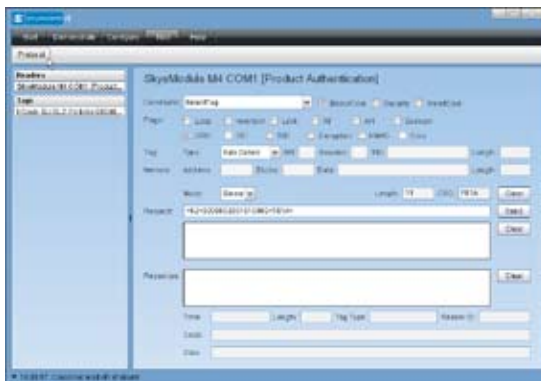
SkyeTek's RFID reader technology is available in several formats including reader modules, hardware reference designs, and the ReaderWare software suite. SkyeTek markets to OEM customers in targeted vertical markets with several high-volume licensing options available.

Memory & Security

Memory maps are easily defined, as SkyeWare 4 allows users to read and write memory of all supported tags in a common memory interface, including DESfire data and record files.

Secure Memory: Invoking security from an industry-leading standards library users can read, write, and secure tag memory by encrypting data and/or creating a digital signature. The user can switch between the Memory and Secure Memory screens to verify that the data is encrypted when secure memory is enabled.

Development & Test Tools

SkyeWare 4 includes a host of test and development tools that allow developers to determine the best configuration for their needs and to test API commands. SkyeModule reader system and radio parameters can be quickly configured and firmware can be uploaded through an easy to use interface.

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