



NXP ICODE® SLIX 2

The smartest book ever – with ICODE SLIX 2

Offering a larger user memory and an impressive list of new features, the next generation of NXP's industry-leading ICODE SLIX family delivers outstanding performance while maintaining backward compatibility.

KEY FEATURES

- › Market-leading RF performance
- › Full backward compatibility with installed ICODE SLIX solutions
- › Highly reliable communication
- › Data retention of 50 years
- › Flexible, password-protected memory segmentation
- › NXP digital signature
- › EAS, AFI features with password protection
- › User memory size: 2528 bit
- › RF interface: ISO/IEC 15693, ISO/IEC 18000-3.1
- › Anti-collision performance: up to 90 tag/s
- › Persistent quiet mode
- › Password-protected counter
- › Resonant capacity: 23 pF

APPLICATIONS

- › Library management
- › Document tracking
- › Hands-free (ski) ticketing
- › Original Service Interval Checks

As the latest addition to NXP's ICODE family, the first choice for high-frequency (HF) smart tags and labels, ICODE SLIX 2 offers more features, more memory space, and increased read range.

BETTER LIBRARY MANAGEMENT

ICODE SLIX 2 is a major step forward when it comes to checking the physical location of library books. It increases scanning speed and reliability, which makes handheld-based inventory for books and media faster and more reliable. SLIX 2 also prevents unintended double scans. The technology also makes self-service checkouts more convenient to the user because more books can be stacked at the kiosk.



NFC-ENABLED APPLICATIONS

ICODE SLIX 2 offers a memory that's large enough to meet the needs of library management as well as applications that use Near Field Communication (NFC). Data for library management can be stored in the usual area of memory, while an NFC URL can be stored in another. The two memory areas can be managed with different access rights. Using a library app and simply tapping an NFC-enabled smartphone to the ICODE SLIX 2 tag, the library patron can access a wide range of extras. Supporting NFC keeps libraries at the forefront of technology, and adds a new level of service for library patrons. ICODE SLIX 2 provides flexible access-rights management features to ensure that proprietary library data cannot be modified by unauthorized devices such as NFC-enabled mobile devices.

DOCUMENT TRACKING

ICODE SLIX 2 offers higher bandwidth, offering greater immunity to the effects of stacking de-tuning. This is a clear advantage in several situations, especially when single sheets of documents are stacked on top of each other and need to be scanned all in one go. Increased inventory speed adds to the advantages, giving organizations of all kinds a better way to manage documents. As a bonus, NXP's digital signature provides an extra level for document authentication.



HANDS-FREE (SKI) TICKETING

By offering more user memory and increased reading performance, ICODE SLIX 2 provides greater flexibility for hands-free ticketing applications, such as those used in many ski resorts. The flexible memory-access rights allow for multi-application schemes, so tickets can take on additional functionality and be used for more than one purpose. Since SLIX 2 is based on the well-established ISO 15693 standard, it provides the kind of open-standard solution that today's resorts demand.



AUTHORIZED SERVICE

ICODE SLIX 2 is well suited to support certain devices, such as those used in the medical field, which require authorized service at guaranteed intervals. A dedicated counter, configured onto the IC, can be used to count each use of the device and provide a trigger for service after a defined interval. Only an authorized company, in possession of the counter password, can reset the counter to its start value. This ensures that the correct service intervals are adhered to, and that only trustworthy service providers work on the device.



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