

Visible RFID



Product Intro Video

Visible RFID Smart Card

The most special feature is that you can view the data stored in the IC chip without a reader. Making it possible to view data without a reader is expanding the scope of use application.

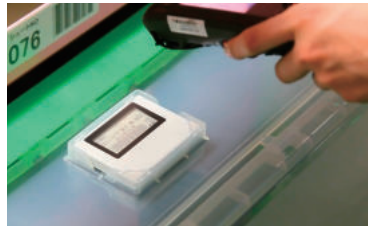
Large reduction of paper consumption and cost

Using "Visible RFID" composed of electronic paper reduces paper consumption, power consumption and environmental load caused by using paper labels. No electric power is required except when data is written or rewritten. Through Near Field Communication(NFC), the displayed data including text, graphic and barcode can be rewritten.

The displayed barcode can be read by widely available handy terminal readers, which makes it possible to use in your current systems.

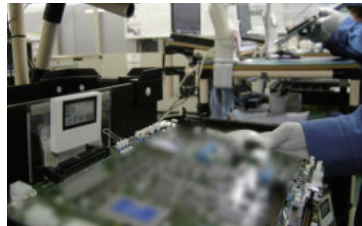


Introduction examples of Smart Card



one dollar item store

Attached to containers to sort and send to retail chain stores handling high-mix, low volume items



as manufacturing instructions

All the information can be processed by your current system as electronic data. Which helps improvement of operational efficiency and cost reduction .



for in-hospital distribution

The written, displayed or not displayed personal information can be kept, controlled or easily erased, different from paper labels which may expose the personal data if they have on.



as an accounting slip in a restaurant

A handy terminal counts the number of the dishes the customer enjoyed and then transfers the data for Smart Tag to display for payment by the customer



as a health check card

Health check data is stored inside and thus the personal health data will not be exposed to the eyes of others.



as a visitor card

Instead of writing on a paper record, the visitor just enters the data to prepare his or her card and touches the card to the reader/writer. When the visitor leaves, visitor's data can easily be erased to protect personal information.



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"Visible RFID" Smart Card Line up

UHF-compatible / Can read IDs of multiple cards at the same time.



SC1029U

Memory size	16Kbyte
Number of pages to be displayed and registered	3 pages
External dimensions	95.2x60.9x3.95(mm)
Weight	30g
Display pixel	300x200(pixels)
Communication method(NFC)	ISO/IEC18092
Communication method(UHF:Read only)	EPCglobal Class1 Generation2
Number of display rewrites(*room temperature)	1,000,000 times or more
Temperature range for Rewriting	0 ~ 40°C
Rewriting time(*room temperature)	Approx. 5 seconds

2.9" Battery-less Smart Card



SC1029L

Memory size	16Kbyte
Number of pages to be displayed and registered	2 pages
External dimensions	85.6x54x3.65(mm)
Weight	20g
Display pixel	300x200(pixels)
Communication method	ISO/IEC18092
Number of display rewrites(*room temperature)	1,000,000 times or more
Temperature range for rewriting	0 ~ 40°C
Rewriting time(*room temperature)	Approx. 5 seconds

UHF-compatible / Can read IDs of multiple cards at the same time.



ST1129U

Memory size	16Kbyte
Number of pages to be displayed and registered	3 pages
External dimensions	99 x 63 x 8 (mm)
Weight	48g
Display pixel	296x128 (pixels)
Communication method(NFC)	ISO/IEC18092
Communication method(UHF:Read only)	EPCglobal Class1 Generation2
Display life/Number of display rewrites (*room temperature)	1,000,000 times or more
Temperature range for rewriting	0 ~ 40°C
Rewriting time(*room temperature)	Approx. 3 seconds

Note: The above data values are measured under the specified condition at AIOI SYSTEMS and just for reference, not guaranteed values.

The values may change depending on operation environment or actual operation specifications.

- Appearance or specifications are subject to change without prior notice. - The color of product may be slightly different from actual one depending on each display monitor.