

NFC Reader IC Selection Guide

	ACCESS CONTROL		PAYMENT	
	RA10/9100	RE31/9311	RE41/9410	
Protocol				
ISO14443A(106 to 848 kbps)	√	√	√	√
ISO14443B(106 to 848 kbps)		√		√
Felica Frame CODEC(212,424 kbps)				√
ISO15693, EPC Class-1 HF, ISO/IEC18000-3		√		√
Interface	SPI	SPI	SPI	
Rx Automatic Gain Control	√	√		√
EMD Suppression	√	√		√
BPSK Pattern Recognition Method for ISO14443B		√		√
NFC Tag				
Type 1	√	√		√
Type 2	√	√		√
Type 3				√
Type 4	√ (only NFC-A)	√		√
Operating Voltage				
TVDD	2.7-7V			
AVDD	3.3V			
DVTT	3.3V			
Power Consumption				
Transmission Current	200mA @ 5V		300mA @ 5V	
Soft Power Down Mode	300mA @ 7V		400mA @ 7V	
Standby Mode	6.0uA			
	1.3mA			
Memory Information				
EEPROM Memory (Bytes)	-		256	
FIFO-buffer read and receive (Bytes)	64		64	
Package Information				
Package Available	QFN32 / TSSOP28			
Application	<ul style="list-style-type: none"> ▪Smart toys ▪Secure access control 		<ul style="list-style-type: none"> ▪Contactless payment system ▪Secure access control ▪Handheld RFID reader 	
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