











Reader Module Quick Guide

Model No.	TM-001	TM-006	TM-008	TM-009	NB-001	NFC-001	NFC-002	TR-001-U	TR-001-R	NR-001-U	
Photo											
Version	V 2.0	V 1.0	V 1.0	V 1.0	V 1.0	V 1.0	V 1.0	V 1.1	V 1.1	V 1.0	
Dimension (mm)	20 * 20 * 2.5	20 * 20 * 2.5	20 * 20 * 2.5	20 * 20 * 2.5	20 * 40 * 2.5	20 * 40 * 2.5	20 * 20 * 2.5	60 * 90 * 15	60 * 90 * 16	60 * 90 * 16	
Interface	UART TTL	UART TTL	UART TTL	UART TTL	UART TTL	USB	UART TTL	USB	RS-232	USB	
Antenna	External	External	External	External	Build-in or External	Build-in or External	External	Build-in or External	Build-in or External	Build-in	
Chip	TI	TI	TI	TI	TI	NXP	NXP	TI	TI	NXP	
Frequency	13.56MHz	13.56MHz	13.56MHz	13.56MHz	13.56MHZ	13.56MHz	13.56MHZ	13.56MHz	13.56MHZ	13.56MHz	
Supply Voltage	2.7~5.5V	2.7~5.5V	2.7~5.5V	2.7~5.5V	2.7~3.3V	4.8~5.2V	4.8~5.2V	5V (USB)	5V (Power Adapter)	5V (USB)	
Developing Tools	Software commands	Software commands	Software commands	Software commands	Software commands	PCSC/ .Net VS API	PCSC/ .Net VS API			PCSC/ .Net VS API	
Protocols Supports	ISO15693	■	■	■	■	■	-NA-	-NA-	■	■	-NA-
	ISO14443A	□	-NA-	■Mifare	■Mifare	-NA-	■Mifare	■Mifare	□	□	■Mifare
	ISO14444B	□	-NA-	□	■	-NA-	-NA-	-NA-	□	□	-NA-
	Tag it	■	-NA-	■	■	-NA-	-NA-	-NA-	■	■	-NA-
	FeliCa	-NA-	-NA-	-NA-	-NA-	-NA-	■	■	-NA-	-NA-	■
	NFC IP-1	-NA-	-NA-	-NA-	-NA-	-NA-	■	■	-NA-	-NA-	■

Jul-09

■ Read/ Write Supports

□ UID Only