



KEYCHAIN

FEATURES

- Operation frequency at 125 KHz
- 64 bits of factory-preprogrammed EPROM array
- Reading distance: 80mm , with EM9917 reader
- Operating temperature: -40 to 70 degree Celsius
- Storage temperature: -40 to 80 degree Celsius
- Water resistance: yes
- Assembly: ultrasonic
- Material: PC
- Color: Blue

APPLICATIONS

- Access Control & Security
- Time Attendance
- Loyalty & Membership Management
- Ticket & Payment
- Staff Identification
- burglar prevention
- patrol management
- car park control

DESCRIPTION

GK4001 is used in the keychain, it is a contactless transponder integration circuit chip. The chip that runs batteryless operations receives power and transmits signals through an external coil placed in a magnetic field provided by a corresponding device. 64 bits of data preprogrammed in an EPROM array are sent to the corresponding device repetitively when the chip is in the field range.

OPERATING CHARACTERISTICS

PARAMETER	RATING	UNIT
Functionality	Read only	
Memory	64	bit
Operating Frequency	125	KHz
Modulation	Manchester Coding	
Power Source	Powered from the reader signal	
Typical Reading Range	8	cm
Typical Reading Time	30	ms
Case Material	PC(polycarbonate)	
EMC	Programmed code is not affected by normal electromagnetic interference or X-rays	
Signal Penetration	Transponder can be read through virtually all non-metallic material	
Dimensions	L: 36mm x W: 30mm x T: 7.4mm	mm
Weight	0.4	g