

ioSmart Smart Cards and Tags



Key Features

- End-to-end channel communication capabilities
- Long-life cards for unlimited number of reads
- 5 models to meet any application

ioSmart Credentials

Kantech's ioSmart Smart Cards and Tags use AES 128-bit and are based on the MIFARE Plus EV1 card format for authentication, data integrity protection and encryption between the credential and ioSmart Smart Card Reader. These smart credentials can provide identification, authentication and store information on the cards using the microchip and memory embedded within them.

These cards are durable and designed to keep sensitive information safe. Encryption keys prevent data from being emitted until the smart card and reader mutually authenticate each other, differentiating them from a standard proximity card.

Beyond access control through the use of radio-frequency technologies, customers can use the ioSmart Smart Cards and Tags additional unlocked sectors for third party applications such as vending, cafeteria, bus/train, etc.*

*Software to program open sectors is not provided by Kantech

Specifications



Model Number	MFP-2KDYE
Card Format	MIFARE Plus EV1 2K
Description/ Construction	Printable smart card, thin and flexible
Material	PVC
Color	White
Dimensions (H x W x D)	85.6 x 54 x 0.8 mm (3.34 x 2.12 x 0.02 in)
Operating Temperature	-40°C to +70°C (-40°F to +158°F)
Weight	6 g (0.21 oz)
RF Technologies	13.56 MHz



Model Number	MFP-2KDYE-COM
Card Format	MIFARE Plus EV1 2K
Description/ Construction	Printable smart card, thin and flexible
Material	Composite Polyester / PVC
Color	White
Dimensions (H x W x D)	85.6 x 54 x 0.8 mm (3.34 x 2.12 x 0.03 in)
Operating Temperature	-40°C to +70°C (-40°F to +158°F)
Weight	6 g (0.21 oz)
RF Technologies	13.56 MHz



Model Number	MFP-2KSHL
Card Format	MIFARE Plus EV1 2K
Description/ Construction	Clamshell smart card, slot punched (vertical)
Material	ABS / PVC
Color	White
Dimensions (H x W x D)	86 x 54 x 1.8 mm (3.38 x 2.12 x 0.07 in)
Operating Temperature	-40°C to +70°C (-40°F to +158°F)
Weight	9 g (0.31 oz)
RF Technologies	13.56 MHz



Model Number	MFP-2KKEY
Card Format	MIFARE Plus EV1 2K
Description/ Construction	Key fob/ tag, key ring hole punched (vertical)
Material	PA6 (Polyamide)
Color	Black
Dimensions (H x W x D)	45 x 30 x 2.2 mm (1.77 x 1.18 x 0.03 in)
Operating Temperature	-40°C to +70°C (-40°F to +158°F)
Weight	3 g (0.10 oz)
RF Technologies	13.56 MHz



Model Number	MT-2KDYE
Card Format	Dual Tech Smart Card; MIFARE Plus EV1 2K
Description/ Construction	Printable multi-technology card
Material	PVC
Color	White
Dimensions (H x W x D)	85.6 x 54 x 0.8 mm (3.34 x 2.12 x 0.03 in)
Operating Temperature	-40°C to +70°C (-40°F to +158°F)
Weight	6 g (0.21 oz)
RF Technologies	13.56 MHz; 7-Byte UID; 125 kHz ioProx

Read ranges depend on reader model selected and vary with operating conditions. Please refer to reader data sheets for read range metrics.

About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.