Tag

Encrypted contactless key fob for keypad

Key fobs sold in packs of 3, 10 or 100 devices

Quick access to the security system

To disarm the security system, just present Tag to the reader on the keypad. This copy-protected key fob allows you to manage security modes without a password, user account and access to the Ajax app.

Tag is supported by [KeyPad Plus](#).

Top-tier data protection

To identify users quickly and securely, KeyPad Plus features the DESFire® technology. It is the best-in-class contactless solution to identify the user by card or key fob.

DESFire® is based on the ISO 14443 international standard and combines comprehensive 128-bit encryption and copy protection. This technology is also used in transportation systems of European capitals and access systems at NASA.

More about DESFire advantages

Microchip with smart capabilities

From the user perspective, contactless access works simply. To disarm the system, all you need is to present a card or a key fob to the keypad. But there is an impressive technology behind this simplicity. Tag key fobs are equipped with DESFire® chips. We compared them to the chips used in most access systems around the world.

Chip	EM-Marin	MIFARE® Classic®	MIFARE® DESFire®
Use	Simple access systems: barriers, intercoms, hotel rooms.	Combined access systems, where additional information is stored	Systems with multi-level access in government, international and

		on the chip: fitness clubs, entertainment centers.	military institutions.
Encryption	No	Crypto-1 stream cipher with a key size of 48 bits. *A number of studies have shown the possibility of hacking this cipher with tools that are freely available.*	Triple DES encryption and AES hardware encryption with 128-bit key. *It will take several supercomputers and millions of years to hack.*
Memory	No built-in memory	Up to 4 KB of built-in memory, which allows you to store data on payment, card expiration date, users.	Up to 8 KB built-in memory that allows you to store user data and access keys to multiple security systems.

One key for home and office

One Tag can be connected to 13 hubs

Full control in the app

In the app, you can set the name and access permissions for each key fob. You always know who and when changed the security mode — every action is recorded in the event log.

A system administrator can revoke or restrict Tag access permissions in real time.

Effortless connection

To add Tag to the system, all you need is to open the Ajax app, go into the settings and present the key fob to the keypad.

Tech specs

Communication technology	DESFire®
Operating standard	ISO 14443-A (13.56 MHz)
Encryption	+
Authentication	+
Protection from signal interception	+
Possibility to assign the user	+
Maximum number of bound hubs	Up to 13
Compatibility	[KeyPad Plus](#)
Operating temperature range	From -10°C to +40°C
Operating humidity	Up to 75%
Overall dimensions	45 × 32 × 6 mm
Weight	7 g