

LEGIC Card

LEGIC advant, CTC and legacy prime cards, key fobs and tags built on the exact chip your integrator specifies, printed to your artwork and supplied for your system owner to initialise. Send the chip type, format and quantity for a quotation within one business day.

LEGIC advant vs LEGIC prime: which generation do you need?

Criterion	LEGIC prime	LEGIC advant
Status	Legacy generation; LEGIC lists MIM256-MN and MIM1024-MN under its legacy ICs	Current generation; LEGIC's current IC list includes ATC4096-MP311, ATC4096-MP313 and CTC4096-MM410
Air interface (13.56 MHz)	Proprietary LEGIC RF	ISO/IEC 14443 A (MP chips) or ISO/IEC 15693 (MV chips); CTC chips add LEGIC RF
Transfer encryption	Proprietary	3DES (ATC4096-MP311); 3DES or AES-128 (ATC4096-MP313); AES-128, Grain128a or proprietary by interface (CTC4096-MM410); Grain128a (ATC256-MV410); ALG55 (ATC1024-MV110, legacy)
Storage encryption	Proprietary	AES, 3DES, DES or LEGIC encryption, depending on the chip
Usable memory	234 bytes (MIM256) or 1,002 bytes (MIM1024)	224 bytes to 4,096 bytes, depending on the chip
Applications / segments per chip	Up to 32 segments (MIM256) or 127 segments (MIM1024)	12 to 127 applications, depending on the chip
Maximum read range stated by LEGIC	Up to 20 cm	Up to 8–10 cm on ISO 14443 A chips; up to 20 cm on ISO 15693 chips
Key and authorisation management	Master-Token System-Control (MTSC)	MTSC; ATC4096-MP313 also supports the LEGIC Key Service
When to order it	Repeat orders for installed prime readers that have not yet been migrated	New installations and sites that have migrated to advant readers

Which LEGIC chips can you order?

Chip	Generation	Interface	Memory	Typical order
ATC4096-MP311	advant (current)	ISO/IEC 14443 A	4,096 bytes, up to 127 applications	New advant installations with ISO 14443 A readers
ATC4096-MP313	advant + MIFARE DESFire EV3 (current)	ISO/IEC 14443 A	advant 4,096 bytes + DESFire EV3 3,520 bytes	Sites running LEGIC and DESFire readers side by side, or moving between them
CTC4096-MM410	Cross-technology (current)	ISO/IEC 14443 A, ISO/IEC 15693 and LEGIC RF	advant 2,984 bytes + prime 1,002 bytes	Step-by-step migration from prime to advant
ATC1024-MV110	advant (listed as legacy by LEGIC)	ISO/IEC 15693	944 bytes, up to 59 applications	Repeat orders for installed ISO 15693 advant systems
ATC256-MV410	advant (listed as legacy by LEGIC)	ISO/IEC 15693	224 bytes, up to 12 applications	Repeat orders for installed ISO 15693 advant systems
MIM1024-MN	prime (legacy)	LEGIC RF	1,002 bytes, up to 127 segments	Repeat orders for prime systems
MIM256-MN	prime (legacy)	LEGIC RF	234 bytes, up to 32 segments	Repeat orders for small prime systems

Which formats and materials are available for LEGIC chips?

Format	Typical use	What to specify	Related page
ISO ID-1 card (85.60 × 53.98 mm); PVC as standard, PET-G or polycarbonate confirmed in the quotation	Staff badges, campus cards, hotel keys	Body material, finish, print, slot punch, magnetic stripe	Printed RFID cards
Wooden card	Hotel keys and badges for low-plastic programmes	Wood species, laser engraving or UV print, epoxy covering for water resistance	Wooden RFID card
Key fob	Residents, lockers, fleet and machine authorisation	Shell style, colour, logo; expect a shorter read range than a card	RFID key fob
Tag or sticker	Adding a LEGIC chip to an existing badge, phone case or equipment	Size, adhesive, whether it will be mounted on metal	Confirm size and mounting surface in the inquiry
Wristband	Pools, spas, fitness and ski resorts	Band style, sizing, water and chemical exposure	RFID silicone wristbands

Ordering

- Free standard samples; customised samples carry a setup fee.
- Standard lead time is 2–3 weeks.
- Quote-only pricing—send your quantity for a quotation.
- Printing, numbering and encoding options are available for the selected product and material.

Contact

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