

# Transponder

## ISO Card

### PART ID:

**1050-01-349-00**

ISO Card is the mostly used and popular form factor in RFID transponder. TECTUS can build ISO Card with a variety of materials. It also brings out elegant printing result.

### Main Specifications

Material	PVC
Operating Temperature	-35°C to 50°C
IP Class	IP68
Compliance	RoHs & Reach, CE
Key Features	High-Resolution Print, Cost-Effective, High Quality Card
Options	Offset Print, Silk Screen, Laser Engraving, Preprinted Artwork, Dual Frequency On Request



### Chip Specification (Chip 349)

Chip	Alien - Higgs 3
Frequency	869 MHz ( UHF )
Memory	TID 64 Bit; EPC 96 Bit; User 512 Bit
Norm	ISO 18000-6C / EPC Gen2 V2

## Full Specifications

Product ID	1050
Material	PVC
Shape	Laminated
Short Description	ISO Card is the mostly used and popular form factor in RFID transponder. TECTUS can build ISO Card with a variety of materials. It also brings out elegant printing result.
Long Description	These cards combine innovative printing and radio frequency identification (RFID) technologies with industry-leading knowledge in the production of secure identity components and solutions. Proven processes and automated manufacturing ensure efficient and cost-effective production of high quality cards. ISO cards are used in billions around the world, ranging from simple, non-technology printed loyalty cards to highly secure access control, payment or citizen ID cards. ISO 7816 Compliant
Key Features	High-Resolution Print, Cost-Effective, High Quality Card
Options	Offset Print, Silk Screen, Laser Engraving, Preprinted Artwork, Dual Frequency On Request
Comments	Magnet Stripes: HiCo: 2750o.e. / 4000o.e. (3600o.e.) LoCo: 300o.e. / 650o.e.

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Where application information is given, it is only advisory and does not form part of the specification.

Article Type	ISO Card
Color	White
Length [mm]	85.6
Width [mm]	54
Thickness [mm]	0.8
Weight [g]	6
Operating Temp °C (min)	-35
Operating Temp °C (max)	50
Storage Temp °C (min)	-35
Storage Temp °C (max)	50
IP Class	IP68
Chemical Resistance	Not Specified
Flame Resistance	Not Specified
Mechanical Resistance	Not Specified
Attachment Method	Card Holder
Compliance	RoHs & Reach, CE

## VARIANTS AND ICS

ID	Variant	Band	Type	ISO
1050-01-152-00	ISO Card w. Magnet Stripe	LF	EM4200/Unique	ISO/IEC 11784/85 Compatible
1050-01-260-00	ISO Card w. Magnet Stripe	HF	ICODE SLIX	ISO/IEC 15693 & 18000-3
1050-01-349-00	ISO Card w. Magnet Stripe	UHF	Higgs 3	ISO 18000-6C / EPC Gen2 V2
1050-01-206-00	ISO Card w. Magnet Stripe	HF	MIFARE Classic EV1 1K	ISO/IEC 14443A & 18000-3