

EPC Tags

- Idesco EPC Windshield Label
- Idesco EPC EXO3000 Tag PC
- Idesco EPC Sail Tag
- Idesco EPC MIFARE Card
- Idesco EPC DESfire Card
- EPC + HID Prox card
- EPC Silicone tag WT-A543 GR
- EPC Omni-ID IQ



Idesco's long distance passive UHF EPC tags are designed for a variety of automatic vehicle identification, logistics and access control applications.

Specifications

	Idesco EPC Windshield Label	Idesco EPC EXO3000 Tag PC
Operating frequency	860-960 MHz (nominal 865-868 Mhz)	860-960 MHz
Chip	EPC C1g2 ISO 18000-6C	EPC C1g2 ISO 18000-6C
User memory size	512 bits	512 bits
EPC code	96 bit	96 bit
Dimensions (hwxwd)	0.2 x 40 x 110 mm	174 x 70 x 17.6 mm
Material of housing	Flexible polyethylene terephthalate (PET)	PC ABS Blend
Installation	On glass	On metal or any material
Installation method	Pressure sensitive low surface energy adhesive	Manual, foam adhesive
Colour	White, can be customized	Grey
Protection class		IP68
Weight (g)		292
Customizing	Inkjet printing	Inkjet printing
Operational temperature range	-35 °C to +85 °C	-40 °C to +85 °C
Storage temperature range	0 °C to +25 °C	-40 °C to +100 °C
Applications	Automated vehicle identification	Access control, logistics, cargo tracking container tracking

Specifications

	Idesco EPC Sail Tag	Idesco EPC MIFARE Card	Idesco EPC DESFire Card
Operating frequency	865-868 MHz	865-868 MHz, 13,56 MHz	865-868 MHz, 13,56 MHz
Chip	EPC C1G2 ISO 18000-6C	EPC C1G2 ISO 18000-6C, Mifare 1K S50	EPC C1G2 ISO 18000-6C, Mifare Desfire EV1 4K
User memory size	512 bit	EPC: NA, Mifare: 1K	EPC: 512bits, Mifare Desfire: 4K
EPC code	96 bit	96 bit	96 bit
Dimensions (hxxxd)	56x32x8 mm	1x54x85.6 mm	1x54x85.6 mm
Material of housing	PC	PVC	PVC
Installation			
Installation method	Key ring	On card holder	On card holder
Colour	Black	White	White
Protection class	IP66	IP67	IP67
Weight (g)			
Customizing	Printing	Inkjet printing Color printing (customer logo etc.)	Inkjet printing, Color printing (customer logo etc.)
Operational temperature range	-40 °C to +60 °C	-40 °C to +50 °C	-40 °C to +50 °C
Storage temperature range	-35 °C to +85 °C	-40 °C to +75 °C	-40 °C to +75 °C
Applications	Access Control	Access control	
	EPC + HID Prox card	EPC Silicone tag WT-A543 GR	EPC Omni-ID IQ
Operating frequency	125 kHz, 860-880 MHz	865-868 MHz	866-868 MHz
Chip	EPC C1G2 ISO 18000-6C, Prox	ISO/IEC 18000-63 (EPC Gen2)	EPC C1G2 ISO 18000-6C
User memory size		512 bits	512 bits
EPC code		96 bit permanent locked	
Dimensions (hxxxd)	54x85.6x0.8 mm	55(W)x10(D)x1.6(H)mm	103.0 x 52.0 x 0.8 mm (tolerance +/- 0.5)
Material of housing	PVC		Synthetic Label
Installation			Optimized for metal and liquid
Installation method	On card holder	Sewing, Heat-sealing	Self-adhesive suitable for flat surfaces
Colour	White		White
Protection class	IP67		IP68
Weight (g)		1	5,02
Customizing	Inkjet printing, Color printing (customer logo etc.)		Thermal barcode printer compatible, note: Idesco doesn't provide printing
Operational temperature range	0 °C to +60° C	-20 to 50 °C, 10 to 95% RH	-20 °C to +65°C
Storage temperature range	-20 °C to +70 °C	-40 to 55 °C, 8 to 95% RH	
Heat resistance		Drying: 85 °C (Up to 60min.) or 120 °C (Up to 10 min) 200 °C (Up to 10 sec. with press cloth)	
Water resistance		Water resistant	
Water extraction pressure		60 bar *3	
Washing method		Laundry, Dry cleaning*2 (Perchloroethylene, Hydrocarbon solvent)	
Applications	Access control	Flexible and washable RFID tags to manage textile, linen and garment assets.	Logistics involving metal produce or packaging, pipe manufacturing and re-certification and IT, Office & hospital assets tracking applications

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