

# adventim

## GO™ Wristband

Model :: Helix



**The cornerstone of payment, access control, and age verification is the GO™ Wristband.** The wristbands are specially designed to disable when removed, so patrons can safely discard them without worrying about transferring privileges such as age verification, VIP access, or purchasing power to unauthorized patrons.

### Product Highlights

#### Convenient

GO™ Wristbands allow your patrons to spend their time enjoying your venue instead of waiting in line. ATM lines and fees are a thing of the past. GO™ Wristbands eliminate “transaction friction” resulting in higher per capita spending and improved customer experience.

#### Sponsorship

Putting a sponsor’s logo on a GO™ Wristband is equivalent to putting that logo on every dollar bill in a patron’s wallet. Patrons wearing sponsored wristbands are much more likely to purchase the sponsor’s product, on and off-site.

#### Comfortable

Made of a soft, flexible plastic, GO™ Wristbands are designed to remain comfortable and functional when worn for days at a time. They are completely waterproof, and can withstand all normal wear and tear in active environments.

#### Secure

Thanks to a patented, electronic mechanism, GO™ Wristbands will stop functioning once removed from the patron’s wrist. They cannot be put back together, protecting your patrons from fraudulent purchasing, and preventing unauthorized access to restricted areas.

**RFID Specifications**

Integrated Circuit	Philips I-Code SL2
Protocol/Standard	ISO15693
Spatial Reading	Minimum 4 inches with Skyetek M1 Benchmark Reader
Inlay Impedance	50 Ohms
Operating Frequency	13.560MHz ± 7kHz
Unloaded Resonance Frequency	14.0MHz ± 350kHz
Rewritable Memory	128 bytes (1024bit) or more, organized in 4 byte (32bit) blocks
Read/Write Functionality	Multiple-block Read required. Multiple-block Write is preferable.

**General Transponder Characteristics**

Survival Rate	99.99% survival after one week of active wear
Fit and Form	Flexible and soft, no sharp edges, hypoallergenic.
Bending Diameter (D)	25mm, web tension less than 10N
Static Pressure (P)	< 10MPa (10N / mm <sup>2</sup> )
Storage	2 years @ -40°C to 85°C, 5-95% Relative Humidity
Memory Storage	> 10 years, per chip specifications
Operating Temperature	Ambient: -40°C to 50°C    Junction: -40°C to 85°C
ESD Voltage Immunity	± 2kV peak
Thermal Static Resistance	Heat: 15min @ 150°C    Cold: 168h @ -40°C
Thermal Cycle Resistance	200 cycles from -40° to 50°C
Chemical Resistance	Alcohols: (e.g. Methanol, Ethanol, Isopropanol, SD Alcohols) Alkaline Solvents: (e.g. Tri-Sodium Phosphate, Sodium Sulfates, Organic salts) Acidic Solvents: (e.g. Acetic Acid, other organic acid solutions above pH 1.8) Common Solutions: (e.g. Salt Water, Chlorinated Water up to 1000ppm) Sunblock: (octyl methoxycinnamate, octyl salicylate, titanium dioxide, zinc oxide) Pest Repellent: (DEET, Di-n-propyl Isocinchomerate, Permethrin)

**Delivery Form**

Transponder Face Material	White, 4-color printable with transparent overlamine
Transponder Fastener	Tamper-resistant snap.
Transponder Inlay Material	2 layer Rolled Copper, ½ oz. or Silver Conductive Ink
Final Inspection	100% inspection, with replacement of known failures
Documentation	Certificate of Analysis (COA). Sheet labeling with: Sales Code, sheet number, order number, design version, amount of transponders per sheet, date of delivery

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