# Omni-ID® Adept 650P

Omni-ID's Adept 650P is a global, UHF RFID card designed to ensure the safety and management of personnel. Constructed with PVC material the size of a credit card, the thin design and the flexible durability combine to make this tag the ideal choice for personnel management.
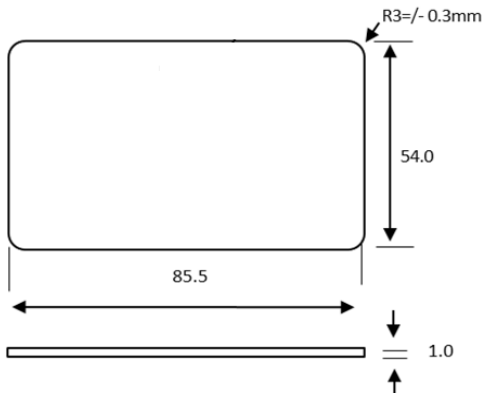
## Applications

With its credit card size (dimensions are compliant to ISO/IEC 7810 ID-1 standard) and PVC material, the Adept 650P fits into various holders and is ideal for:

▸ Personnel management
▸ Building Access
▸ IT asset tracking
▸ Logistics non-metal packaging

## Physical Specifications

| Material | White PVC |
|---|---|
| Size (mm) | 85.5 x 54 x 1.0<br>Tolerance: +/- 0.2 |
| Size (in) | 3.35 x 2.13 x 0.04 |
| Weight (g) | 6.0 |

## RF Specifications

| Protocol | EPC Class 1 Gen2 |
|---|---|
| Frequency Range (MHz) | 860 - 930 (Global) |
| Read Range (Fixed reader)[1] | Up to 7.0m |
| Read Range (Handheld reader)[1] | Up to 3.5m |
| Material Compatibility | off metal |
| IC Type (chip) | Alien Higgs 3 |
| Memory [2] | EPC - 96bits<br>User - 512bits<br>Unique TID - 64bits |

1. Quoted performance achieved using standard testing methodology. Read range will vary with reader hardware and output power.
2. EPC and User memory are reprogrammable, UTID is locked at point of manufacture.

## Dimensions



Dimensions stated in mm
(ISO/IEC 7810 ID-1 compliant)

## Radiation Pattern

Off Metal

![Omni-ID logo]

**Visit www.omni-id.com to learn more about the complete line of Omni-ID RFID products.**
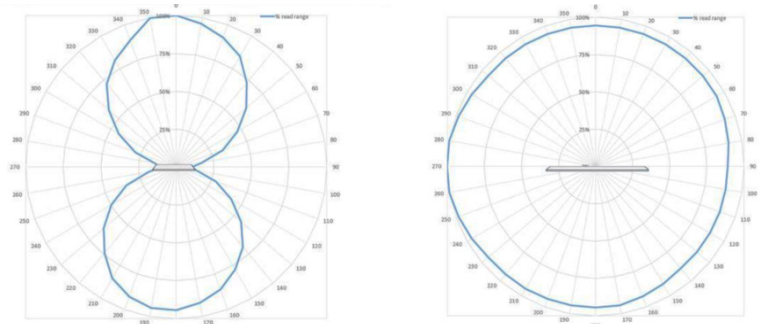
## Related Products and Services

▶ **Omni-ID IQ 800P -** Large premium label for attachment to plastic assets.

▶ **Omni-ID Exo 800P Rigid-** Low profile, medium range, RFID tag ideal for tracking mobile assets worldwide.

▶ **Omni-ID IQ 400P -** Designed for the office environment, this small label has strong performance on plastic and non-metal assets.
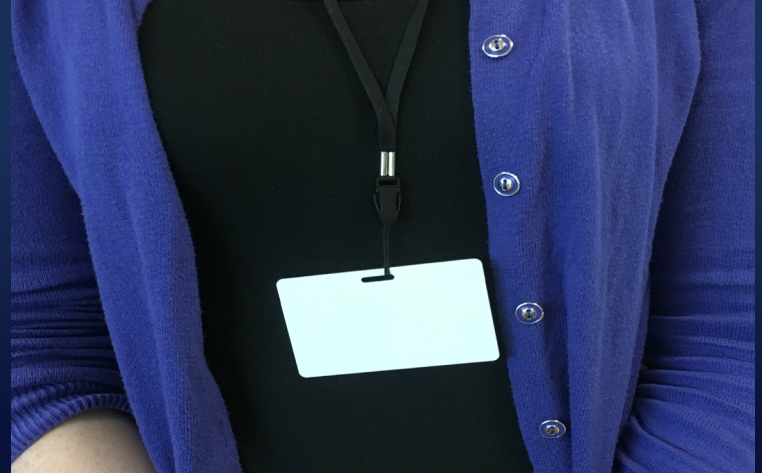
## Environmental Specifications

| | |
|---|---|
| Operation Temperature | −20 ° to +65℃ |
| Max Temperature Exposure[1] | −20 ° to +65 ℃ |
| IP Rating | IP68 |
| Shock and Vibration | MIL STD 810-G |
| Attachment | Hang (option) Film adhesive (option) |
| Certifications | RoHS approved CE approved ATEX/IECEx certified (option) US&Canada (C1D1/D2) certified (option) |
| Warranty | 1 year |

1. Temperature testing methodology in accordance with BS EN60068-2-1 and BS EN60068-2-2

## Ordering Information

| | |
|---|---|
| Order Codes | 145 - (GS) |
| Option Codes | :303 Customization[1] :304 (ATEX/IECEx certified) :307 (US&Canada (C1D1/D2) certified) :331 Card slots[2] :502 Film adhesive |

[1]Customization option carries an MOQ of 50K.
[2]Card slots ordered without customization carry an MOQ of 1k.

**Omni-ID office locations:   US | UK | China | India | Germany**

**For product or technology inquiries email: sales@omni-id.com**

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