# IQ Range – Labels

## Typical Applications
- **IQ 150**: IT, office, hospital asset tracking.
- **IQ 350**: IT and office asset tracking, Logistics with metallic packaging, Intermodal logistics.
- **IQ 400P**: Plastic facade on IT equipment identification of IT & office hardware.
- **IQ 400P HT**
- **IQ 600**: Manufacturing, Automotive paint processes, Electronics.
- **IQ 800P**: Logistics, & packaging, Pipe manufacturing & recertification, IT, Office, & Hospital tracking.
- **IQ 800P HT**

## IF Specifications
- **Frequency Range (MHz)**
  - **IQ 150**: 902-928 (US), 866-868 (EU)
  - **IQ 350**: 902-928 (US), 866-868 (EU)
  - **IQ 400P**: 860-960 (GS)
  - **IQ 400P HT**: 860-960 (GS)
  - **IQ 600**: 902-928 (US), 866-868 (EU)
  - **IQ 800P**: 860-960 (GS)
  - **IQ 800P HT**: 860-960 (GS)
- **Read Range (m)**
  - **Fixed reader**: Up to 1.6
  - **Handheld reader**: Up to 2.5
- **Material Compatibility**
  - **IQ 150**: Optimized for all materials
  - **IQ 350**: Optimized for all materials
  - **IQ 400P**: Plastic & non-metal substrates
  - **IQ 400P HT**: Plastic & non-metal substrates
  - **IQ 600**: Optimized for all materials
  - **IQ 800P**: Plastic & non-metal substrates
  - **IQ 800P HT**: Plastic & on-metallic substrates
- **IC Type**
  - **IQ 150**: Impinj Monza R6-P
  - **IQ 350**: Impinj Monza R6-P
  - **IQ 400P**: Alien Higgs 3
  - **IQ 400P HT**: Alien Higgs 3
  - **IQ 600**: Impinj Monza R6-P
  - **IQ 800P**: Alien Higgs 3
  - **IQ 800P HT**: Alien Higgs 3

## Physical and Environmental Specifications
- **Encasement / Material**
  - **IQ 150**: Synthetic label
  - **IQ 350**: Synthetic label
  - **IQ 400P**: Synthetic label
  - **IQ 400P HT**: Synthetic label
  - **IQ 600**: Synthetic label
  - **IQ 800P**: Synthetic label
  - **IQ 800P HT**: Synthetic label
- **Size (mm)**
  - 55.0 x 125.0 x 1.20
  - 50.0 x 125.0 x 1.30
  - 46.5 x 124.0 x 0.24
  - 50.0 x 30.0 x 0.49
  - 96.0 x 240.0 x 1.30
  - 95.0 x 21.0 x 0.24
  - 85.0 x 55.0 x 0.49
- **Weight (g)**
  - 0.44
  - 0.50
  - 0.15
  - 0.51
  - 1.50
  - 0.50
  - 1.50
- **Operating Temperature (°C)**
  - -40 to +85
  - -40 to +85
  - -40 to +85
  - -40 to +85
  - -40 to +85
  - -40 to +85
- **Max Temperature Exposure (°C)**
  - -40 to +130
  - -40 to +130
  - -40 to +130
  - -40 to +130
- **Ingress Protection**
  - IP68
  - IP68
  - IP68
  - IP68
  - IP68
  - IP68
- **Shock and Vibration**
  - MIL-STD 810-G
  - MIL-STD 810-G
  - MIL-STD 810-G
  - MIL-STD 810-G
  - MIL-STD 810-G
  - MIL-STD 810-G
- **Attachment**
  - Self Adhesive (std)
  - Self Adhesive (std)
  - Self Adhesive (std)
  - Holes provided for mechanical attachment
  - Self Adhesive (std)
  - Self Adhesive (std)
  - Holes provided for mechanical attachment
- **Order Codes**
  - 125 – US, EU
  - 158 – EU, US
  - 055 – GS
  - 166 – GS
  - 133 – US, EU
  - 056 – GS
  - 165 – GS

*Order option codes are listed on the datasheets.
Values for Comparison only, please refer to Product Datasheets for full specifications.
© 2019 Omni-ID. All rights reserved.
# Fit Range – Small for Integration, High Temperature

## Featured Comparison Guide

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Fit 210</th>
<th>Fit 220</th>
<th>Fit 400</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Typical Applications</strong></td>
<td>Hand Tool tracking</td>
<td>Small metal tools</td>
<td>Tool tracking including metal hand tools</td>
</tr>
<tr>
<td></td>
<td>Paint processes in automotive</td>
<td>IT assets</td>
<td>Metal IT assets</td>
</tr>
<tr>
<td></td>
<td>IT assets at point of manufacture</td>
<td>Healthcare instruments</td>
<td>Autoclaves &amp; high-temperature sterilizations</td>
</tr>
<tr>
<td><strong>RF Specifications</strong></td>
<td>Frequency Range (MHz)</td>
<td>902–928 (US) 866–868 (EU)</td>
<td>902–928 (US) 866–868 (EU)</td>
</tr>
<tr>
<td></td>
<td>Fixed reader Read Range (m)</td>
<td>Up to 2.0</td>
<td>Up to 2.2</td>
</tr>
<tr>
<td></td>
<td>Handheld reader Read Range (m)</td>
<td>Up to 1.0</td>
<td>Up to 1.4</td>
</tr>
<tr>
<td></td>
<td>Material Compatibility</td>
<td>Optimized for Metal</td>
<td>Optimized for Metal</td>
</tr>
<tr>
<td></td>
<td>IC Type</td>
<td>Alien Higgs 3</td>
<td>Alien Higgs 3</td>
</tr>
<tr>
<td><strong>Physical and Environmental Specifications</strong></td>
<td>Finish</td>
<td>Red PCB</td>
<td>Ceramic - Painted Black</td>
</tr>
<tr>
<td></td>
<td>Size (mm)</td>
<td>57.1 x 5.95 x 1.3</td>
<td>78.0 x 68.0 x 2.70 (includes IC bump)</td>
</tr>
<tr>
<td></td>
<td>Weight (g)</td>
<td>1.00</td>
<td>0.50</td>
</tr>
<tr>
<td></td>
<td>Operation Temperature (°C)</td>
<td>-20 to +85</td>
<td>-20 to +85</td>
</tr>
<tr>
<td></td>
<td>Max Temperature Exposure (°C)</td>
<td>-20 to +95</td>
<td>-20 to +235</td>
</tr>
<tr>
<td></td>
<td>Ingress Protection</td>
<td>IP68</td>
<td>IP68</td>
</tr>
<tr>
<td></td>
<td>Shock and Vibration</td>
<td>MIL STD 810-G</td>
<td>MIL STD 810-G</td>
</tr>
<tr>
<td></td>
<td>Attachment</td>
<td>Film adhesive (standard)</td>
<td>Film adhesive (standard)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>[For placement only in applications exceeding +85°C]</td>
<td>[For placement only in applications exceeding +85°C]</td>
</tr>
</tbody>
</table>

1. Excludes adhesive options, consult adhesive datasheets for recommended temperature ratings. Maximum constant exposure for Fit 220 & 400 = 700 hours and 12 hours for Fit 210.
2. Order option codes are listed on the datasheets.

Values for Comparison only, please refer to Product Datasheets for full specifications. © 2018 Omni-ID. All rights reserved.
## Flex Range – Flexible to fit many applications

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Flex 600</th>
<th>Flex 800</th>
<th>Flex 1200</th>
<th>Flex 1600</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Typical Applications</strong></td>
<td>Office Equipment&lt;br&gt;Light outdoor use&lt;br&gt;Returnable Transit Items&lt;br&gt;Ideal for portal setups</td>
<td>Lower cost RFI replacement for the Exp-800 where durability is not needed&lt;br&gt;Ideal for Portal setups</td>
<td>Office Equipment&lt;br&gt;Light outdoor use&lt;br&gt;Returnable Transit Items&lt;br&gt;Ideal for Portal setups</td>
<td>Office Equipment&lt;br&gt;Light outdoor use&lt;br&gt;Returnable Transit Items</td>
</tr>
<tr>
<td><strong>RF Specifications</strong></td>
<td>Frequency Range (MHz) 902–928 (US)&lt;br&gt;866–868 (EU)</td>
<td>860–930 (CS)</td>
<td>902–928 (US)&lt;br&gt;866–868 (EU)</td>
<td>902–928 (US)&lt;br&gt;866–868 (EU)</td>
</tr>
<tr>
<td></td>
<td>Fixed reader Read Range (m) Up to 6.0&quot; on metal, 3.0m off metal</td>
<td>Up to 8.0m on metal, 6.0m off metal</td>
<td>Up to 12.0m on metal, 8.0m off metal</td>
<td>Up to 16.0m on metal, 8.0m off metal</td>
</tr>
<tr>
<td></td>
<td>Handheld reader Read Range (m) Up to 3.0m on metal, 1.5m off metal</td>
<td>Up to 4.0m on metal, 3.0m off metal</td>
<td>Up to 6.0m on metal, 4.0m off metal</td>
<td>Up to 8.0m on metal, 4.0m off metal</td>
</tr>
<tr>
<td></td>
<td>Material Compatibility Metal &amp; non-metallic substrates</td>
<td>Metal &amp; non-metallic substrates</td>
<td>Optimized for Metal</td>
<td>Optimized for Metal</td>
</tr>
<tr>
<td></td>
<td>IC Type Monza R6-P</td>
<td>Monza 4Q™</td>
<td>Monza R6-P</td>
<td>Monza R6-P</td>
</tr>
<tr>
<td><strong>Physical and Environmental Specifications</strong></td>
<td>Coverstock White synthetic label with transparent over laminate</td>
<td>ABS with white synthetic label</td>
<td>White synthetic label with transparent over laminate</td>
<td>White synthetic label with transparent over laminate</td>
</tr>
<tr>
<td></td>
<td>Size (mm) 55.8 x 20.0 x 2.50</td>
<td>95.0 x 23.0 x 8.00</td>
<td>75.0 x 25.0 x 2.50</td>
<td>95.0 x 25.0 x 3.80</td>
</tr>
<tr>
<td></td>
<td>Weight (g) 0.85</td>
<td>13.0</td>
<td>1.66</td>
<td>2.70</td>
</tr>
<tr>
<td></td>
<td>Operating Temperature (°C)</td>
<td>-40 to +85</td>
<td>-40 to +85</td>
<td>-40 to +85</td>
</tr>
<tr>
<td></td>
<td>Ingress Protection IP66</td>
<td>IP65</td>
<td>IP68</td>
<td>IP68</td>
</tr>
<tr>
<td></td>
<td>Attachment Film adhesive (std)</td>
<td>Mechanical (standard)&lt;br&gt;Premium foam (option)</td>
<td>Film adhesive (std)</td>
<td>Film adhesive (std)</td>
</tr>
<tr>
<td></td>
<td>Order Codes¹</td>
<td>149 - US, EU</td>
<td>150 - GS</td>
<td>160 - US, EU</td>
</tr>
</tbody>
</table>

¹ Read range up to 9.0m at 45° when used in portal applications.
² Excludes adhesive options, consult adhesive datasheets for recommended temperature ratings.
³ Order option codes are listed on the datasheets.

Values for Comparison only, please refer to Product Datasheets for full specifications.  © 2018 Omni-ID. All rights reserved.
## Exo Range – Encased and Heavy-Duty

### Product Name
- **Exo 400**
- **Exo 600**
- **Exo 750**
- **Exo 800**
- **Exo 800P Rigid**
- **Exo 1000**
- **Exo 2000**
- **Exo 3000**

### Typical Applications
- **Exo 400**: Healthcare sterilization processes, Manufacturing Automotive, post paint processes
- **Exo 600**: Logistics & Postal Industries, Automotive, Retail & warehousing
- **Exo 750**: Automotive Supply Chain, Logistics and Postal, Manufacturing tote tracking
- **Exo 800**: Manufacturing tote tracking, Logistics and Postal, Retail supply chain
- **Exo 800P Rigid**: Plastic RTIs and contains Plastic pallets, Non-metallic Industrial assets
- **Exo 1000**: Manufacturing tote tracking, Logistics and Postal, Retail supply chain
- **Exo 2000**: Container tracking for yard management, Cargo tracking, Defense asset management, Cargo and container tracking, Heavy equipment tracking and maintenance, Location identification in lay down zones
- **Exo 3000**: Cargo and container tracking, Heavy equipment tracking and maintenance, Location identification in lay down zones

### RF Specifications
- **Frequency Range (MHz)**: 902-928 (US), 866-868 (EU)
- **Read Range (m)**
  - **Fixed Reader**
    - **Exo 400**: Up to 4.0
    - **Exo 600**: Up to 6.0
    - **Exo 750**: Up to 11.0 (US), 7.0 (EU)
    - **Exo 800**: Up to 8.0
  - **Handheld Reader**
    - **Exo 400**: Up to 3.0
    - **Exo 600**: Up to 6.0
    - **Exo 750**: Up to 5.0 (US), 3.5 (EU)
    - **Exo 800**: Up to 4.0
- **Material Compatibility**: Optimized for Metal
- **IC Type**: Alien Higgs 3, Impinj Monza 4QT, Impinj Monza 4QT, Impinj Monza 4QT, Alien Higgs 3, Impinj Monza 4QT, Impinj Monza 4QT, Impinj Monza 4QT

### Encasement
- **Thermoplastic**
- **ABS Rigid Plastic**
- **ABS Rigid Plastic**
- **ABS Rigid Plastic**
- **ABS Rigid Plastic**
- **ABS Rigid Plastic**
- **PC ABS blend**
- **PC ABS blend**

### Size (mm)
- **Exo 400**: 37.0 x 14.0 x 7.5
- **Exo 600**: 80.0 x 15.0 x 12.5
- **Exo 750**: 51.0 x 48.0 x 12.6
- **Exo 800**: 110 x 25.0 x 12.9
- **Exo 800P Rigid**: 105 x 36.0 x 3.5
- **Exo 1000**: 110 x 25.0 x 12.7
- **Exo 2000**: 139 x 53.0 x 14.9
- **Exo 3000**: 174 x 70.0 x 17.7

### Weight (g)
- **Exo 400**: 5.7
- **Exo 600**: 12.5
- **Exo 750**: 25.6
- **Exo 800**: 26.8
- **Exo 800P Rigid**: 11.6
- **Exo 1000**: 18.3
- **Exo 2000**: 64.0
- **Exo 3000**: 110

### Temperature Specifications
- **Operation Temperature (°C)**: ~20 to +85
- **Max Temperature Exposure (°C)**: ~20 to +125

### Ingress Protection (IP)
- **Exo 400**: IP68
- **Exo 600**: IP68
- **Exo 750**: IP68
- **Exo 800**: IP68
- **Exo 800P Rigid**: IP68
- **Exo 1000**: IP68
- **Exo 2000**: IP68
- **Exo 3000**: IP68

### Shock and Vibration
- **MIL STD 810-G**

### Attachment
- **Mechanical (std)**: 2 x 0.3mm holes
- **Mechanical (std)**: Premium foam adhesive (option)
- **Mechanical (std)**: Premium foam adhesive (option)
- **Mechanical (std)**: Premium foam adhesive (option)
- **Rivet Screw (not included)**: Premium foam adhesive (option)
- **Mechanical (std)**: Premium foam adhesive (option)
- **Mechanical (std)**: Premium foam adhesive (option)
- **Mechanical (std)**: Premium foam adhesive (option)

### Order Codes
- **Exo 400**: 144 – EU, US
- **Exo 600**: 061 – GS
- **Exo 750**: 078 – GS
- **Exo 800**: 077 – GS
- **Exo 800P Rigid**: 104 – GS
- **Exo 1000**: 162 – GS
- **Exo 2000**: 152 – GS
- **Exo 3000**: 153 – GS

---

1. **Order Option Codes are listed on the datasheets.**
2. **Prolonged exposure to temperatures above 70°C may result in minor dimensional change to the case, attachment by rivets instead of adhesive is recommended.**
3. **See datasheet for Transparent option.**

Values for Comparison only; please refer to Product Datasheets for full specifications. © 2018 Omni-ID. All rights reserved.
# View Range - Display Tags

<table>
<thead>
<tr>
<th>Product Name</th>
<th>View 3</th>
<th>View 4</th>
</tr>
</thead>
</table>
| **Typical Applications** | **Manufacturing:** Replenishment, Work Instructions & Container management  
**Health Care:** Equipment Tracking and Directional labeling  
**IT:** Asset Tracking and status  
**Logistics:** Container Management, Sortation/Post Sort, Warehousing/Yard Management, Food Supply Chain | **Manufacturing:** Replenishment, Work Instructions & Container management  
**Health Care:** Equipment Tracking and Directional labeling  
**IT:** Asset Tracking and status  
**Logistics:** Container Management, Sortation/Post Sort, Warehousing/Yard Management, Food Supply Chain |
| **Screen** | Electrophoretic e-paper display  
Full graphic (black & white), 120° viewing angle (in sunlight) | Electrophoretic e-paper display  
Full graphic (black & white), 120° viewing angle (in sunlight) |
| **Size (mm) (in)** | 146.5 x 50 x 14.1  
5.77 x 1.97 x 0.56 | 148.5 x 102.5 x 13.9  
5.85 x 4.04 x 0.55 |
| **Diagonal Viewable Area (in)** | 2.9 | 4.2 |
| **User Memory** | 16 image pages | 16 image pages |
| **Battery life** | Up to 4 yrs | Up to 4 yrs |
| **Passive Read Range:** | Up to 5m on and off metal | Up to 5m on and off metal |
| **Passive Write Range** | Up to 5m on and off metal | Up to 5m on and off metal |
| **Active Read & Write Range** | 80m on metal  
100m off metal | 80m on metal  
100m off metal |
| **IC Type (chip)** | MonzaX-2K | MonzaX-2K |
| **Ingress Protection** | IP65 | IP65 |
| **Operating Temperature (°C)** | 0 to +40°C | 0 to +40°C |
| **Attachment** | Adhesive, Bracket, or Zip tie | Adhesive, Bracket, or Zip tie |
| **Order Codes** | OMNI-V3-G2-ACCY (US, EU)  
OMNI-V3-G2-ACCY-SB (US, EU) | OMNI-V4-G2-ACCY (Global)  
OMNI-V4-G2-ACCY-SB (Global) |

---

1 Actual battery life could be greater depending on configuration and use.  
2 Indoor installation typical power settings shown. Optimal environments can significantly enhance performance.  
3 Rating does not apply with blue silicone buttons  
4 Order Option Codes are listed on the datasheets

Values for Comparison only, please refer to Product Datasheets for product options and full specifications.

©2018 Omni-ID. All rights reserved.
# Power Range – Active tags

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Power 60/65</th>
<th>Power 100/115</th>
<th>Power 400/415</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typical Applications</td>
<td>Oil &amp; Gas platforms, Construction sites, Manufacturing facilities, Personnel management</td>
<td>IT Data centers, Manufacturing facilities, Warehouse management</td>
<td>Manufacturing: Mobile carts, containers and trolleys, Logistics: Lay down yards, vehicles and docks, Construction: Staging and materials tagging</td>
</tr>
<tr>
<td>Data Communication</td>
<td>Active 433.92</td>
<td>Active 433.92</td>
<td>Active 433.92, Passive 860 – 930</td>
</tr>
<tr>
<td>Typical Active Read Range (m)¹</td>
<td>Up to 100m</td>
<td>Up to 150m</td>
<td>Up to 400m</td>
</tr>
<tr>
<td>Battery Life²</td>
<td>Up to 5 years</td>
<td>Up to 5 years</td>
<td>Up to 5 years</td>
</tr>
<tr>
<td>Protocol</td>
<td>Power 60 - Omni-ID Proprietary, Power 65 - EEE 802.15.4f</td>
<td>Power 100 - Omni-ID Proprietary, Power 115 - EEE 802.15.4f</td>
<td>Power 400 - Omni-ID Proprietary, Power 415 - EEE 802.15.4f</td>
</tr>
<tr>
<td>Construction</td>
<td>Glass-filled Polycarbonate</td>
<td>Black PCB / ABS Blend</td>
<td>Polycarbonate Interior with overmolded TPE</td>
</tr>
<tr>
<td>Size (mm)</td>
<td>95.5 x 63.9 x 10.0</td>
<td>58.5 x 34.8 x 14.0</td>
<td>120 x 360 x 300</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>53.5</td>
<td>29.0</td>
<td>92.0</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-20°C to +60°C</td>
<td>0°C to +40°C</td>
<td>-40°C to +60°C</td>
</tr>
<tr>
<td>IP Rating</td>
<td>IP65</td>
<td>IP65</td>
<td>IP68 Nema PW12 (High pressure liquids immersion)</td>
</tr>
<tr>
<td>Shock and Vibration</td>
<td>Shock: 20 G±90ms, Vibration: Sinusoidal 3G 50-500 Hz, Random 4G 50-500 Hz, 4&quot; drop to concrete</td>
<td>Shock: 20 G±90ms, Vibration: Sinusoidal 3G 50-500 Hz, Random 4G 50-500 Hz, 4&quot; drop to concrete</td>
<td>4&quot; drop to concrete, MIL-STD-810G</td>
</tr>
<tr>
<td>Attachment</td>
<td>Lanyard/clip slots for horizontal or vertical mounting, Clips for ID badge attachment included</td>
<td>Vertical or horizontal mounting via adhesive screw or clip</td>
<td>Screw attachment – (2) #6 screws 5mm (0.2&quot;), Cable tie slots each end</td>
</tr>
<tr>
<td>Codec Codes²</td>
<td>OMNI-P60 - Omni-ID proprietary protocol, OMNI-P65 - IEEE 802.15.4f protocol</td>
<td>OMNI-P100 - Omni-ID proprietary protocol, OMNI-P115 - IEEE 802.15.4f protocol</td>
<td>OMNI-P400 - Omni-ID proprietary protocol, OMNI-P415 - IEEE 802.15.4f protocol, OMNI-P400-X, OMNI-P415-X (ATEX/IECEx Certification)</td>
</tr>
</tbody>
</table>

¹ Read Distance can vary based on site characteristics, base station antenna type, height distance and tag configuration.
² Actual battery life could be greater depending on configuration and use.
³ Order Option Codes are listed on the datasheets.

Values for Comparison only, please refer to Product Datasheets for full specifications. © 2018 Omni-ID. All rights reserved.
# Specialty Tags

## Product Name
- **Prox 200**
- **Fit 400P**
- **Max Rigid**
- **Max SQ**
- **Dura 600**

### Typical Applications
- **Prox 200**: Rack-mounted servers, Routers and blades, General IT and office equipment.
- **Fit 400P**: Tool tracking, Plastic handles on tools,
  Surface mounting to plastic components of high value assets.
- **Max Rigid**: Tracking returnable transit items,
  Warehouse storage locations,
  Rail carriage identification.
- **Max SQ**: Tracking returnable transit items within
  global supply chains,
  Automotive stillage management,
  Large rental equipment tracking.
- **Dura 600**: Maintenance for deployed field equipment, Chemical drum tracking,
  Beverage keg tracking.

### RF Specifications

<table>
<thead>
<tr>
<th></th>
<th>Prox 200</th>
<th>Fit 400P</th>
<th>Max Rigid</th>
<th>Max SQ</th>
<th>Dura 600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range (MHz)</td>
<td><em>860-930 (US)</em></td>
<td><em>902-928 (US)</em></td>
<td><em>902-928 (US)</em></td>
<td><em>860-960 (US)</em></td>
<td></td>
</tr>
<tr>
<td>Read Range (m) – Fixed reader</td>
<td>Up to 2.0</td>
<td>Up to 3.5</td>
<td>Up to 12.0 (US), Up to 10.0 (EU)</td>
<td>Up to 8.0</td>
<td>Up to 6 (US), Up to 5 (EU)</td>
</tr>
<tr>
<td>Handheld reader</td>
<td>Up to 6.9</td>
<td>Up to 1.75</td>
<td>Up to 6.0 (US), Up to 5.0 (EU)</td>
<td>Up to 4.0</td>
<td>Up to 3.0 (US), Up to 2.5 (EU)</td>
</tr>
<tr>
<td>Material Compatibility</td>
<td>Metal &amp; non-metallic substrates</td>
<td>Non-metallic substrates only</td>
<td>Metal and non-metallic substrates</td>
<td>Optimized for Metal substrates</td>
<td>Optimized for Metal substrates</td>
</tr>
<tr>
<td>IC Type</td>
<td>Mongo 4QT</td>
<td>Alien Higgs 3</td>
<td>Alien Higgs 3</td>
<td>Alien Higgs 3</td>
<td>Alien Higgs 3</td>
</tr>
</tbody>
</table>

### Material
- **Prox 200**: HIPS core with synthetic label
- **Fit 400P**: Ceramic - Painted Black
- **Max Rigid**: ABS or Polycarbonate
- **Max SQ**: Polycarbonate
- **Dura 600**: Durable Thermoplastic Material

### Size (mm)
- **Prox 200**: 35.0 x 10.0 x 5.0
- **Fit 400P**: 17.6 x 7.10 x 4.10
- **Max Rigid**: 104 x 33.0 x 8.40
- **Max SQ**: 51.0 x 43.0 x 12.2
- **Dura 600**: 48.5 x 38.0 x 0.50

### Weight (g)
- **Prox 200**: 1.76
- **Fit 400P**: 2.10
- **Max Rigid**: 22.0
- **Max SQ**: 19.5
- **Dura 600**: 11.2

### Operating Temperature (°C)
- **Prox 200**: -40 to +65
- **Fit 400P**: -20 to +65
- **Max Rigid**: ABS: -40 to +55
  Polycarbonate: -40 to +65
- **Max SQ**: -40 to +65
- **Dura 600**: -40 to +65

### Ingress Protection
- **Prox 200**: IP54
- **Fit 400P**: IP68
- **Max Rigid**: IP68
- **Max SQ**: IP68
- **Dura 600**: IP68

### Shock and Vibration
- **Prox 200**: MIL STD 810-G
- **Fit 400P**: MIL STD 810-G
- **Max Rigid**: MIL STD 810
- **Max SQ**: MIL STD 810
- **Dura 600**: MIL STD 810

### Attachment
- **Prox 200**: Foam adhesive
- **Fit 400P**: Film adhesive (included)
- **Max Rigid**: Manual (std)
  Premium Foam adhesive (option)
- **Max SQ**: Manual (std)
  Premium Foam adhesive (option)
- **Dura 600**: Industrial Foam Tape

### Order Codes
- **Prox 200**: 157 – GS
- **Fit 400P**: 052 – US, EU
- **Max Rigid**: 020 – US, EU
- **Max SQ**: 024 – GS
- **Dura 600**: 025 – US, EU

---

*Order Option Codes are listed on the datasheets.

Values for Comparison only, please refer to Product Datasheets for full specifications.

© 2018 Omni-ID. All rights reserved.
## Specialty Tags

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Adept 400</th>
<th>Adept 400</th>
<th>Adept 500</th>
<th>Adept 650P</th>
<th>Adept 850</th>
<th>Adept 360°</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency Range (MHz)</strong></td>
<td>860-930 (GS)</td>
<td>902-928 (US only)</td>
<td>860-930 (GS)</td>
<td>860-960 (GS)</td>
<td>860-930MHz (GS)</td>
<td>13.5MHz (HF opt)</td>
</tr>
<tr>
<td><strong>Read Range (m)</strong></td>
<td>Fixed reader: Up to 2.25 = 5 layer, Up to 4.0 = 4 layer, Up to 1.35 = 5 layer, Up to 2.0 = 4 layer</td>
<td>Handheld reader: Up to 4.5</td>
<td>Up to 5.0</td>
<td>Up to 7.0</td>
<td>Up to 8.5 Read, Up to 4 Write</td>
<td>Up to 10 (UHF), Up to 0.1 (HF opt)</td>
</tr>
<tr>
<td><strong>Material Compatibility</strong></td>
<td>Optimized for Metal</td>
<td>Optimized for Metal</td>
<td>Optimized for Metal</td>
<td>Optimized for Non-metallic substrates</td>
<td>Optimized for Metal</td>
<td>Metal and non-metallic substrates</td>
</tr>
<tr>
<td><strong>FTC Type</strong></td>
<td>Monza 4QT</td>
<td>Alien Higgs 3</td>
<td>Alien Higgs 3</td>
<td>Alien Higgs 3</td>
<td>Alien Higgs 3</td>
<td>Qatar-SA</td>
</tr>
<tr>
<td><strong>Encasement</strong></td>
<td>Stainless Steel with Ceramic Core</td>
<td>Stainless Steel with ceramic core</td>
<td>Durable Thermoplastic</td>
<td>PVC Synthetic card</td>
<td>ABS</td>
<td>Steel frame</td>
</tr>
<tr>
<td><strong>Size (mm)</strong></td>
<td>45.0 x 30.5 x 15.3 = 5 layer, 39 x 30.5 x 11.2 = 4 layer</td>
<td>36.0 x 25.0 x 13.5 = 5 layer, 30 x 25 x 8.2 = 4 layer</td>
<td>37.0 x 37.0 x 11.5</td>
<td>85.5 x 54.0 x 1.0</td>
<td>65.0 x 45.0 x 8.0</td>
<td>137 x 48 x 5.50</td>
</tr>
<tr>
<td><strong>Weight (g)</strong></td>
<td>940 = 5 layer, 530 = 4 layer</td>
<td>58.0 = 5 Layer, 35.0 = 4 layer</td>
<td>125</td>
<td>6.0</td>
<td>29.0</td>
<td>126</td>
</tr>
<tr>
<td><strong>Operating Temperature (°C)</strong></td>
<td>-20 to +65</td>
<td>-20 to +65</td>
<td>-20 to +65</td>
<td>-20 to +65</td>
<td>-20 to +65</td>
<td>-40 to +65</td>
</tr>
<tr>
<td><strong>Ingress Protection</strong></td>
<td>IP68</td>
<td>IP68</td>
<td>IP68</td>
<td>IP68</td>
<td>IP68</td>
<td>IP68</td>
</tr>
<tr>
<td><strong>Shock and Vibration</strong></td>
<td>MIL STD 810-G</td>
<td>MIL STD 810-G</td>
<td>MIL STD 810-G</td>
<td>MIL STD 810-G</td>
<td>MIL STD 810-G</td>
<td>MIL STD 810-G</td>
</tr>
<tr>
<td><strong>Attachment</strong></td>
<td>Steel strap or welded — 5 layer, Epoxy* or welded — 4 layer</td>
<td>Steel strap or welded — 5 layer, Epoxy* or welded — 4 layer</td>
<td>Premium foam (option)</td>
<td>Hang</td>
<td>Rivet/screw (not included); foam or thin film adhesive (option)</td>
<td>Tether attachment (not included)</td>
</tr>
<tr>
<td><strong>Order Codes</strong></td>
<td>115 — GS</td>
<td>080 — (US only)</td>
<td>045 — GS</td>
<td>145 — GS</td>
<td>114 — GS</td>
<td>032 — GS</td>
</tr>
</tbody>
</table>

1 Products tested by third party in line with use case requirements.
2 Customer to validate their epoxy.
3 Order Option Codes are listed on the datasheets.

Values for Comparison only, please refer to Product Datasheets for full specifications. © 2018 Omni-ID. All rights reserved.
## Specialty Tags

### Product Name
- **Pipe**  
- **IQ 400**  
- **IQ 800G**  
- **IQ 1200G**

### Typical Applications
- **Pipe**: Road Toll Collection, Vehicle Access Control, Vehicle Permits, IT, office, hospital asset tracking, Weapons, pipes, road signs, Tools and kitchen assets.  
- **IQ 400**: Road Toll Collection, Vehicle Access Control, Vehicle Permits.  
- **IQ 800G**: Vehicle Access Control, Vehicle Permits.  
- **IQ 1200G**: Vehicle Registration.

### RF Specifications
- **Frequency Range (MHz)**
  - **Pipe**: 902-928 (US) 868-868 (EU)  
  - **IQ 400**: 902-928 (US) 868-868 (EU)  
  - **IQ 800G**: 860-960 (US)  
  - **IQ 1200G**: 902-928 (US) 868-868 (EU)
- **Typical Range (m)/Fixed Reader**
  - **Pipe**: Up to 1.2  
  - **IQ 400**: Up to 4.2  
  - **IQ 800G**: Up to 8.0  
  - **IQ 1200G**: Up to 1.2
- **Read Range (m): Handheld reader**
  - **Pipe**: Up to 1.2  
  - **IQ 400**: Up to 2.4  
  - **IQ 800G**: Up to 5.0  
  - **IQ 1200G**: Up to 7.0
- **Material Compatibility**
  - **Pipe**: Optimized  
  - **IQ 400**: Optimized for all materials  
  - **IQ 800G**: Optimized for Glass  
  - **IQ 1200G**: Optimized for Glass
- **IC Type**
  - **Pipe**: Alien Higgs 3  
  - **IQ 400**: Impinj Monza R6-P  
  - **IQ 800G**: Alien Higgs 3  
  - **IQ 1200G**: Alien Higgs 3
- **Material**
  - **Pipe**: Polypropylene structure and synthetic label  
  - **IQ 400**: Synthetic label  
  - **IQ 800G**: PET Facestock  
  - **IQ 1200G**: PET Facestock
- **Size (mm)**
  - **Pipe**: 79.3 x 74.0 x 20.0  
  - **IQ 400**: 96.0 x 125 x 1.3  
  - **IQ 800G**: 910 x 220 x 0.20  
  - **IQ 1200G**: 920 x 260 x 0.20
- **Weight (g)**
  - **Pipe**: 44.0  
  - **IQ 400**: 0.30  
  - **IQ 800G**: 0.70  
  - **IQ 1200G**: 0.70
- **Operating Temperature (°C)**
  - **Pipe**: -40 to +65  
  - **IQ 400**: -40 to +85  
  - **IQ 800G**: -20 to +60  
  - **IQ 1200G**: -20 to +60
- **P Rating**
  - **Pipe**: IP65  
  - **IQ 400**: IP68  
  - **IQ 800G**: IP68  
  - **IQ 1200G**: IP68
- **Shock and Vibration**
  - **Pipe**: MIL STD 810-G  
  - **IQ 400**: MIL STD 810-G  
  - **IQ 800G**: MIL STD 810-G  
  - **IQ 1200G**: MIL STD 810-G
- **Attachment**
  - **Pipe**: Strap - not included  
  - **IQ 400**: Self Adhesive (std)  
  - **IQ 800G**: Self Adhesive (std)  
  - **IQ 1200G**: Self Adhesive (std)
- **Order Codes**
  - **Pipe**: 030 - US, EU  
  - **IQ 400**: 141 - US, EU  
  - **IQ 800G**: 121 - US  
  - **IQ 1200G**: 122 - US, EU

---

*Order Option Codes are listed on the datasheets.

Values for Comparison only, please refer to Product Datasheets for full specifications.

© 2018 Omni-ID. All rights reserved.