








# Omni-ID™ RFID Tags – US, EU

	Short Range		Medium Range		Long Range				Ultra Long Range	Cylinder
										
Product Name	Prox Label	Prox Rigid Case	Flex Label	Flex Rigid Case v2	Max Label	Max Rigid Case v2	Max SQ	Max HD	Ultra	Curv
Read Range (m)	Balanced Up to 3.0 (US) Up to 2.0 (EU) Up to 2.5 (Global)	Balanced Up to 3.0 (US) Up to 2.0 (EU) Up to 2.5 (Global)	Balanced Up to 5.0 (US) Up to 3.5 (EU)	Balanced Up to 5.0 (US) Up to 5.0 (EU)	Balanced Up to 12.0 (US) Up to 8.0 (EU)	Balanced Up to 12.0 (US) Up to 10.0 (EU)	On Metal Up to 8.0 (Global)	On Metal Up to 15.0 (Global)	Balanced Up to 35.0 (Global)	On Metal Up to 5.0 (US) Up to 5.0 (EU)
Size (mm)	35 x 10 x 4.8	54.5 x 16 x 7.8	77 x 15 x 2.8	100 x 21 x 7.2	80 x 30 x 3.8	104 x 33 x 8.4	51 x 42 x 12.2	140 x 66 x 14.0	210 x 110 x 21.0	48.5 x 38. x 8.0
Weight (g)	1.9	5.3	2.9	11.6	8.4	22.0	19.5	75.0 (ABS), 82.0 (PC)	265.0 (ABS), 292.0 (PC)	9.6
Encasement	Synthetic Label	Rigid case (ABS)	Synthetic Label	Rigid case (ABS)	Synthetic Label	Rigid case (ABS)	Rigid case (Polycarbonate)	Rigid case (ABS or Polycarbonate)	Rigid case (ABS or Polycarbonate)	Durable Thermoplastic Material
Frequency Range (MHz)	902–928 (US) 866–868 (EU) 860–960 (GS)	902–928 (US) 866–868 (EU) 860–960 (GS)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)	860–960 (Global)	860–960 (Global)	860–960 (Global)	902–928 (US) 866–868 (EU)
IC Type	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3
User Memory (bits)	512	512	512	512	512	512	512	512	512	512
Operating Temperature (°C)	+5 to +40 °C	–20 to +55 °C	+5 to +40 °C	–20 to +55 °C	+5 to +40 °C	–20 to +55 °C	–40 to +85 °C	ABS: –40 to +65 °C PC: –40 to +100 °C	ABS: –40 to +65 °C PC: –40 to +100 °C	–40 to +55 °C
IP Rating	IP54	IP68	IP54	IP68	IP54	IP68	IP68	ABS: IP68 PC: IP67	ABS: IP67 PC: IP65	IP68
Shock and Vibration	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2
Attachment	Film Adhesive (std.) Foam Adhesive (opt.)	Manual and film adhesive (std.) Foam Adhesive (opt.)	Film Adhesive (std.) Foam Adhesive (opt.)	Manual (std.) Film adhesive (opt.) Foam Adhesive (opt.)	Film Adhesive (std.) Foam Adhesive (opt.)	Manual (std.) Fim Adhesive (opt.) Foam Adhesive (opt.)	Manual (std.) Film adhesive (opt.) Foam adhesive (std.)	Manual (std.) Foam Adhesive (opt.)	Manual (std.) Foam Adhesive (opt.)	Industrial Foam Tape
Order Number	011-EU, 011-US 011-GS :503 (foam)	012-EU, 012-US 012-GS :503 (foam)	013-EU 013-US :503 (foam)	022-EU 022-US :502 (film) , :503 (foam)	015 - US 015 - EU :503 (foam)	020 - US 020 - EU :502 (film) , :503 (foam)	024 - GS :503 (foam)	008 - GS (std.) :302 (PC) , :503 (foam)	009 - GS (std.) :302 (PC) , 503 (foam)	018 - US 018 - EU

# Omni-ID™ RFID Tags – JPN

	Short Range		Medium Range		Long Range			Ultra Long Range	Cylinder	
Product Name	Prox Label	Prox Rigid Case	Flex Rigid Case v1	Flex Rigid Case v2	Max Rigid Case v1	Max Rigid Case v2	Max SQ	Max HD	Ultra	Curv
Read Range (m)	Balanced Up to 2.5 (Global)	Balanced Up to 2.0 (JPN) Up to 2.5 (Global)	Balanced Up to 2.0 (JPN)	Balanced Up to 4.0 (JPN)	Balanced Up to 7.0 (JPN)	Balanced Up to 7.0 (JPN)	On Metal Up to 8.0 (Global)	On Metal Up to 15.0 (Global)	Balanced Up to 35.0 (Global)	On Metal Up to 3.5 (JPN)
Size (mm)	35 x 10 x 4.8	54.5 x 16 x 7.8	101.5 x 21 x 5.7	100 x 21 x 7.2	105 x 36 x 6.7	104 x 33 x 8.4	51 x 42 x 12.2	140 x 66 x 14.0	210 x 110 x 21.0	48.5 x 38 x 8.0
Weight (g)	1.9	5.3	11.0	11.6	21.0	22.0	19.5	75.0 (ABS), 82.0 (PC)	265.0 (ABS), 292.0 (PC)	9.6
Encasement	Synthetic Label	Rigid case (ABS)	Rigid case (ABS)	Rigid case (ABS)	Rigid case (ABS)	Rigid case (ABS)	Rigid case (Polycarbonate)	Rigid case (ABS or Polycarbonate)	Rigid case (ABS or Polycarbonate)	Durable Thermoplastic Material
Frequency Range (MHz)	860–960 (GS)	952–954 (JPN) 860–960 (Global)	952-954 (JPN)	952-954 (JPN)	952–954 (JPN)	952–954 (JPN)	860–960 (Global)	860–960 (Global)	860–960 (Global)	952–954 (JPN)
IC Type	Alien Higgs 3	Alien Higgs 2 (JPN) Alien Higgs 3 (Global)	Alien Higgs 2	Alien Higgs 3	Alien Higgs 2	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3
User Memory (bits)	512	N/A (JPN) , 512 (Global)	N/A	512	N/A	512	512	512	512	512
Operating Temperature (°C)	+5 to +40 °C	–20 to +55 °C	–20 to +55 °C	–20 to +55 °C	–20 to +55 °C	–20 to +55 °C	–40 to +85 °C	ABS: –40 to +65 °C PC: –40 to +100 °C	ABS: –40 to +65 °C PC: –40 to +100 °C	–40 to +55 °C
IP Rating	IP54	IP68	IP68	IP68	IP68	IP68	IP68	ABS: IP68 PC: IP67	ABS: IP67 PC: IP65	IP68
Shock and Vibration	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2
Attachment	Film Adhesive (std.) Foam Adhesive (opt.)	Manual and film adhesive (std.) Foam Adhesive (opt.)	Manual and film adhesive (std.) Foam Adhesive (opt.)	Manual (std.) Film adhesive (opt.) Foam Adhesive (opt.)	Manual and film adhesive (std.) Foam Adhesive (opt.)	Manual (std.) Film Adhesive (opt.) Foam Adhesive (opt.)	Manual (std.) Film adhesive (opt.) Foam adhesive (std.)	Manual (std.) Foam Adhesive (opt.)	Manual (std.) Foam Adhesive (opt.)	Industrial Foam Tape
Order Number	011-GS :503 (foam)	002-JPN 012-GS :503 (foam)	006-JPN :503 (foam)	022-JPN :502 (film) , :503 (foam)	006 - JPN :503 (foam)	020 - JPN :502 (film) , :503 (foam)	024 - GS :503 (foam)	008 - GS (std.) :302 (PC) , :503 (foam)	009 - GS (std.) :302 (PC) , :503 (foam)	018 - JPN

Omni-ID is the leading supplier of high-performance passive UHF-RFID tags that deliver near-perfect read rates on, off and near metals and liquids. Omni-ID has built a global partner ecosystem with leading RFID technology companies to deliver complete RFID asset tracking, supply chain management, work-in-progress and cargo and container tracking solutions. Values for Comparison only, please refer to product datasheets for full specifications. ©2010 Omni-ID Cayman, Ltd. All rights reserved.