

iTAG500 Range - Intrinsically Safe Passive UHF RFID Tags

	Short Range		Medium Range		Long Range				Ultra Long Range	Cylinder
Product Name	Prox Label	Prox Rigid Case	Flex Label	Flex Rigid Case	Max Label	Max Rigid Case	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 (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 6.0 (US) Up to 5.0 (EU)
Size (mm)	35 x 10 x 4.8	50 x 16 x 8.4	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 9.5
Weight (g)	1.9	6.0	2.9	11.6	8.4	22.0	19.5	75.0 (ABS), 82.0 (PC)	265.0	11.2
Encasement	Synthetic Label	Rigid case (PC)	Synthetic Label	Rigid case (ABS or Polycarbonate)	Synthetic Label	Rigid case (ABS or Polycarbonate)	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)	860-960 (Global)	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	-40 to +65 °C	-40 to +85 °C
IP Rating	IP54	IP68	IP54	IP68	IP54	IP68	IP68	IP68	IP67	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 (std.) Film adhesive (opt.) 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 (opt.)	Manual (std.) Foam Adhesive (opt.)	Manual (std.) Foam Adhesive (opt.)	Industrial Foam Tape