



# BREAKTHROUGH SIZE & PERFORMANCE

The revolutionary new SlimLine antennas from Times-7 will lift the performance of any RFID reader in the market putting them at the forefront of RFID antenna technology. At just 12mm in height, the patent pending designs are significantly slimmer than any other antennas on the market, opening up new locations and ways to achieve the automated tracking of objects and people.

### Proven Performance

Stress tested and proven through airport baggage control systems, Times-7 SlimLine antennas are ideally suited for any industrial application where conveyor systems or production lines need

affordable and reliable RFID. With its thin profile and inherent strength the SlimLine antenna can be installed in very tight spaces and even the most rugged environments.

### World leading application

The Times-7 SlimLine antenna for conveyor systems is leading the world in simplicity, ease of installation and cost effectiveness. At its simplest, it is a plug-and-play antenna that slips easily under a conveyor belt. When integrated with side or overhead antennas and leading RFID reader hardware, this configuration provides a complete reader station for applications such as airport baggage handling.

## Application: Airport Baggage Handling



**Challenge:** Current airport baggage tracking systems rely on bar code readers and photoelectric eyes to track bags. Typical identification rates of less than 90% mean too many bags are manually handled. RFID delivers much higher read rates,

however the RFID reader stations currently available are physically large, expensive and complicated to install. They also require expensive shielding in tunnel like enclosures, similar in size to x-ray machines in airports.

**Solution:** A Times-7 SlimLine Portal for baggage handling combines leading RFID readers with Times-7's SlimLine antenna to produce a small, compact unit which is quick and easy to install, and provides read rates of 99.5%+ at one quarter the price of competitive offerings. The portal is engineered for low reader power settings. Optimized read patterns enable RFID bag labels to be read in any orientation. This eliminates the need for expensive tunnels and curtains.

## Application: Airport Arrivals Screening



**Challenge:** An international airport wanted to speed up inwards passenger processing by eliminating queues for bio-security x-ray screening. Existing processes require expensive and dedicated equipment that tie up real estate and can cause long delays exiting airports during peak times.

**Solution:** A Times-7 SlimLine Portal for Passenger Processing that uses RFID tagged bags. By combining an in-line x-ray with Times-7 SlimLine Portals, RFID tagged bags can be scanned by bio-security officials in advance of passenger retrieval. As passengers move through the arrivals hall, a Times-7 SlimLine Portal can automatically detect bags of interest and prompt bio-security officials to investigate further.



See over for summary of antenna specifications ➤

	A6020	A5011	A5100
			
Industry Applications	Airport baggage handling portal	Conveyor systems underbelt	Passenger arrivals screening
Dimensions	Sides: 1240 x 430 x 60mm Top: 1450 x 430 x 60mm	1240 x 595 x 12mm	Sides: 2100 x 304 x 44mm Top: 1800 x 304 x 44mm
Frequency Range	865-868 MHz / 902-928 MHz	865-868 MHz / 902-928 MHz	865-868 MHz / 902-928 MHz
Gain	Sides 10dBi linear, 13 dBi circular Top 12dBi linear, 15 dBi circular	10 dBi linear, 13 dBi circular	Sides and Top 10dBi linear, 13dBi circular
Connector Type	SMA	SMA and reverse SMA	SMA
Product Data Sheets	<a href="http://www.times-7.com/products/antennas">www.times-7.com/products/antennas</a>	<a href="http://www.times-7.com/products/antennas">www.times-7.com/products/antennas</a>	<a href="http://www.times-7.com/products/antennas">www.times-7.com/products/antennas</a>

#### About Times-7



Times-7 are specialists in RFID solutions for industry and sport. Times-7's innovative range of tags, antennas and readers help organisations reduce costs and transform processes by automating identification and tracking. With patent pending designs that make large scale use of RFID affordable, Times-7 is opening up new markets for tracking important objects.

#### Times-7 Antennas

Times-7 patent pending designs provide the world's slimmest RFID antenna products, opening up new locations and ways to track objects and

people. Using advanced design techniques to optimise read rates, Times-7 antennas can lift the performance of any RFID reader in the market.



#### Times-7 Tags

The Times-7 range of hard wearing passive tags is the most versatile on the market. Designed to survive in harsh industrial conditions, they

meet the needs of a wide range of tracking applications where businesses require affordable and reliable identification of multiple objects.



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