ABOUT TIMES-7

Pushing the boundaries of RFID technology worldwide Times-7 are leaders in RFID antenna design and manufacture. Our patented award winning UHF antennas meet the needs of virtually any industry application; providing customers with fast accurate tracking of products, assets & people; empowering organisations to transform processes & reduce costs.

Our SlimLine range of antennas are unique in the RFID industry; offering high levels of performance & durability in an aesthetically superior form. Proven in a diverse & growing range of markets, applications include: retail & customer interaction, conference & people tracking, race timing, baggage handling, and logistic & supply chain asset management.

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The SlimLine A6020

Ultra-low profile RFID portal for conveyor belt systems

Industry leading accuracy rates ≥99.5%

Especially suited for airport baggage systems

Easily installed into exisiting infrastructure

Typical applications:
Airport baggage handling systems
& all conveyor belt-based UHF RFID applications

The SlimLine A6020 is a latest generation portal system for conveyor belt-based UHF RFID applications. Easily installed into existing infrastructure, the A6020 incorporates a high performance, ultra-low profile underbelt antenna, plus three low profile antennas positioned side and top of the conveyor to create a high performance RFID portal. With a highly focused and balanced field the A6020 is optimised to read RFID tags directly on, or close to, the conveyor with incredible accuracy.

The SlimLine A6020 can achieve industry leading read and assignment rates of no less than 99.5%.

With flexible mounting and connection options available, the A6020 is custom designed for airport baggage handling conveyor systems, and all conveyor belt-based applications where a high performance, cost effective UHF RFID portal solution is required.

Physical / Environmental Specifications

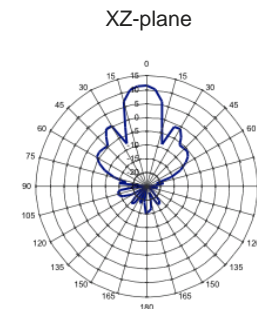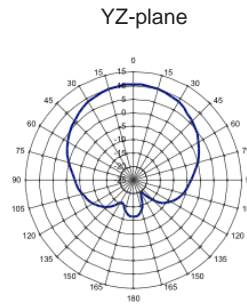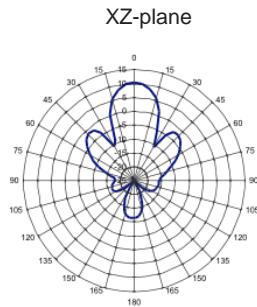|	
Dimensions (LxWxD):	Portal (ETSI): 1450 mm x 430 mm x 60 mm / 57 in. x 17 in. x 2.3 in.
	Portal (FCC): 1370 mm x 430 mm x 60 mm / 54 in. x 17 in. x 2.3 in.
	Underbelt: 1200 mm x 600 mm x 12 mm / 48 in. x 24 in. x 0.5 in.
Weight:	Portal: 25 kg / 55 lbs.
	Underbelt: 7 kg / 15.4 lbs.
Radome Material:	Portal: Fire retardant Kydex
	Underbelt: 3 mm UHMWPE (Ultra-High Molecular Weight Polyethylene)
Environmental Rating:	IP53
Operating / Storage Temperature:	0° to +50°C / -30° to +60°C
	+32F° to +122°F / -22° to +140°F
Mounting:	Portal: Module framework assembled over conveyor
	Underbelt: Affixed directly onto conveyor frame (under conveyor belt)
Connector type:	SMA (Cable accessory options on request)

Electrical Specifications

Frequency Range:	864 – 869 MHz / 902 – 928 MHz
Polarisation:	Circular
Far-field Gain:	11dBic
Typical VSWR across frequency range:	< 2:1
Front to back ratio:	>22dB
Read zone above belt:	$\leq$ 900 mm
Read zone across belt:	$\leq$ 1200 mm

E-field elevation & Azimuth Patterns

Portal antennas (two sides & top)

XZ-plane

YZ-plane

XZ-plane   **Underbelt antenna**   YZ-plane

OUR GLOBAL NETWORK

Constantly increasing market reach and influence in the global RFID industry, Times-7's international support spans The Americas, Europe, and Asia Pacific regions through our distributor, authorized reseller and integrated solutions provider network.
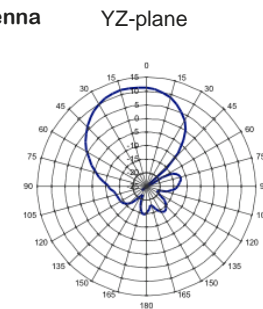
Ordering Information (please quote both product code & part no.)

Product Code	Band	Part No.
A6020	ETSI 864-869 MHz	70820
A6020	FCC 902-928 MHz	70913

Applications

- Airport baggage handling systems
- Conveyor belt-based / RFID Portal applications

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