



RFID Combination Fixed Reader/Antenna Solutions

TRACK ITEMS ON THE MOVE THROUGHOUT YOUR FACILITY

Whether you are a retailer, distributor or manufacturer, items are always on the move throughout your facility. Standard fixed RFID readers provide visibility into the inventory ‘at rest’ on your shelves. But you need to also track items as they travel in, through and out of your facility. And with Zebra’s family of RFID Combination Fixed Reader/Antenna solutions, you can. These advanced RFID solutions provide an additional layer of business intelligence that allows you to more tightly manage your inventory to prevent lost sales, stockouts, theft and unplanned downtime on the manufacturing plant floor. There’s an RFID Combination Fixed Reader/Antenna designed for every area in your facility, from your main building entry and exit areas, including the receiving and loading docks, to interior transition points such as the front and back room in a retail store, warehouse and shipping areas in a distribution center, or the warehouse and plant floor in a manufacturing plant. Take your competitive advantage to the next level with a new level of inventory intelligence with Zebra’s RFID Combination Fixed Reader/Antenna solutions.

All-in-One RFID Combination Fixed Transition Point Reader



Primary Transition Point RFID Fixed Reader/Antenna

Track inventory as it moves through your main entry/exit points

When inventory moves in or out of your facility through receiving and entry/exit points, you need to know which direction it is traveling to understand where it is headed to better track location or prevent theft. Where standard RFID readers detect the presence of a tagged item, this specially designed ready-to-use reader utilizes industry-leading advanced RFID technology to not only track items on the move, but to also determine whether items are entering or leaving an area. Deployment is easy — with Zebra’s advanced FX7500 Fixed RFID reader and pre-configured ST5500 antenna integrated into one housing, there’s only one piece of hardware to install. And since you can suspend it from the ceiling, it’s easy to install in virtually any facility and any environment.

Modular RFID Combination Fixed Reader/Antenna Solutions

The following RFID Fixed Readers combine Zebra’s advanced FX7500 fixed RFID reader with a pre-engineered ready-to-use antenna designed to meet the challenges of specific areas in your facility. The result is a flexible and cost-effective modular solution that can easily meet changing needs. For example, you can purchase both components as a bundle for a specific transition point in your facility, or purchase only the antenna to change the functionality of an existing FX7500 Fixed RFID Reader you may already own.



Backroom/Warehouse RFID Fixed Reader/Antenna

Track inventory in the backroom from ‘arrival to departure’

Zebra’s advanced FX7500 fixed RFID reader and our ready-to-use SR5502 Backroom/Warehouse antenna detect and record the movement of RFID-tagged inventory from the moment it enters your backroom or warehouse to the moment it leaves. The specialized antenna is designed to deliver increased accuracy and read rates in aisles and corridors, allowing this duo to easily handle the high tag volumes on the move in the backroom and warehouse. Power-over-Ethernet (PoE) support eliminates the need for a power outlet, giving you the freedom to place this reader wherever you need it. And deployment is easy — just plug it in, turn it on and it’s ready to start capturing tags.



Point of Sale (POS) RFID Fixed Reader/Antenna

Track inventory in your POS lanes or will-call areas

Zebra’s advanced FX7500 fixed RFID reader and our ready-to-use SP5504 POS antenna are designed to log items passing through POS lanes in your retail store or will-call areas in your warehouse or manufacturing facility. This cost-effective solution offers highly localized antenna technology with a very tight read range that can cover small areas such as individual POS lanes, without risking interference. And your Zebra POS Fixed Reader Solution can work hand-in-hand with Zebra’s Transition Point Fixed RFID Reader to identify when and where items left your facility and whether those items passed through a POS lane or will-call station, improving inventory accuracy and alerting you to potential theft — before it happens.

TRACK INVENTORY MOVEMENT IN REAL TIME FOR A REAL COMPETITIVE ADVANTAGE.

PRODUCT SPEC SHEET

RFID COMBINATION FIXED READER/ANTENNA SOLUTIONS

RFID Fixed Combination Reader/Antenna Specifications

Primary Transition Point RFID Fixed Reader/Antenna	
PHYSICAL CHARACTERISTICS	
Dimensions (ST5500)	47.0 in. x 22.0 in. x 9.0 in. 1194 mm x 559 mm x 229 mm
Weight (ST5500)	23 lbs./10.4 kg
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-4° to 131° F/-20° to 55° C
Storage Temperature	-40° to 158° F/-40° to 70° C
Humidity	95% RH non-condensing
ESD	± 15 kV air discharge; ± 8 kV direct discharge; ± 8 kV indirect discharge
POWER REQUIREMENTS	
Input Power	18W max (37-55 VDC POE)

Point of Sale (POS) RFID Fixed Reader/Antenna	
PHYSICAL CHARACTERISTICS	
Dimensions (SP5504)	7.0 in. x 7.3 in. diameter 180 mm x 184 mm diameter
Weight (SP5504)	2.2 lbs./1.0 kg
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	32° to 122° F/0° to 50° C
Storage Temperature	-40° to 158° F/-40° to 70° C
Humidity	95% RH non-condensing
ESD	± 15 kV air discharge; ± 8 kV direct discharge; ± 8 kV indirect discharge
POWER REQUIREMENTS	
Input Power	13W max (37-55 VDC POE)

Backroom/Warehouse RFID Fixed Reader/Antenna	
PHYSICAL CHARACTERISTICS	
Dimensions (SR5502)	17.0 in. x 10.2 in. x 7.0 in. 432 mm x 260 mm x 178 mm
Weight (SR5502)	5.5 lbs./2.5 kg
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-4° to 131° F/-20° to 55° C
Storage Temperature	-40° to 158° F/-40° to 70° C
Humidity	95% RH non-condensing
ESD	± 15 kV air discharge; ± 8 kV direct discharge; ± 8 kV indirect discharge
POWER REQUIREMENTS	
Input Power	18W max (37-55 VDC POE)

FX7500 RFID Fixed Reader	
All three combination reader/antenna solutions utilize Zebra's FX7500 fixed RFID reader. The FX7500 is integrated into the housing of the Transition Point Fixed RFID Reader/Antenna and does not need to be ordered separately. The Point of Sale (POS) Fixed RFID Reader/Antenna requires the purchase of both the FX7500 and the SP5504. The Backroom Fixed RFID Reader/Antenna requires the purchase of both the FX7500 and SP5502.	

RFID Fixed Combination Reader/Antenna Solutions are ideal for key transition points in:

- Warehouses
- Distribution centers
- Retail stores
- Manufacturing plants

Specifications subject to change without notice.

