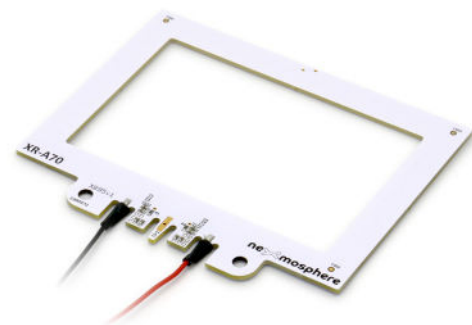


## XR ANTENNA RECTANGULAR SHAPE

### XR range

The Nexmosphere XR range offers the products needed to build wireless pick-up sensors using RFID technology. The antenna driver detects a tag as soon as its close to the antenna and communicates the number of the tag back to the Xperience controller. Adhere the tags under the displayed merchandise and trigger the associated video content when the products are picked-up or placed down.



### XR Antenna rectangular

The XR antenna is a slim, easy to built-in RFID antenna. It can be hidden behind a variety of non-metallic design materials like acrylics, wood, glass and stone. Define your detection surface area and match it with the right shape and size antenna for your product and application.

### Features

- Connects to XR Antenna driver
- Wireless pick-up detection surface

### Wireless pickup detection

The XR antenna connects to the XR antenna driver. Together they register the pick-ups, as well as the place-downs of RFID tagged merchandise when the product is either lifted from or placed back on an antenna. During both events, an event-specific trigger is sent from the Xperience controller to the connected media player that can be used to, for example, start a video or illuminate a string of LEDs.

- Pick-up and place-down registration
- Highly responsive
- Compatible with all Nexmosphere RFID tags
- Multi-tag detection (up to 4 RFID tags simultaneously)

### Benefits

- Connects to XR Antenna driver
- Thin form factor for easy installation
- Various sizes available to match the design of your application

## XR ANTENNA RECTANGULAR SHAPE

### Mounting specifications

- Keep away from metal objects or surfaces\*
- Spacing between antennas is required\*
- Detection distance is 20–40 mm depending on the overlying material and direct environment\*
- Works under glass, acrylic, wood, cardboard, stone, and non-metallic materials

*\*(see XR installation guide for specific details)*

### Thermal specifications

Operating temperature: +10°C...+40°C/ +50°F ... +104°F  
Storage temperature: -20°C...+50°C/ -4°F ... +122°F

### Electrical specifications

- RFID frequency: 13.56Mhz

### Miscellaneous

- Mounting holes for easy fixation
- 1-year warranty (optional 3-year extended warranty available)
- Customized layouts and board shapes available on request

### Packaging

Netto Weight: 25g  
Items per carton 1, 10 or 50 pcs

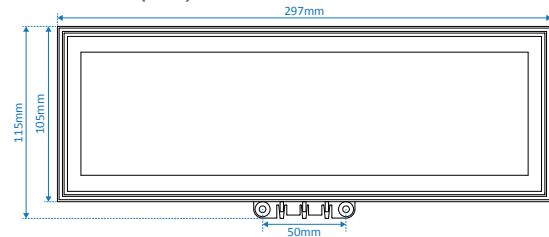
### Standards and Certifications



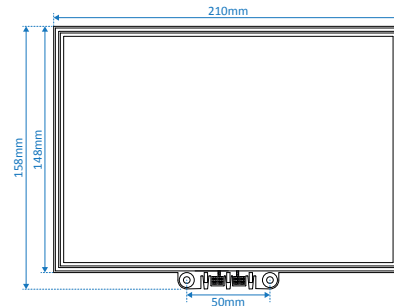
**RoHS**  
compliant

### Mechanical dimensions

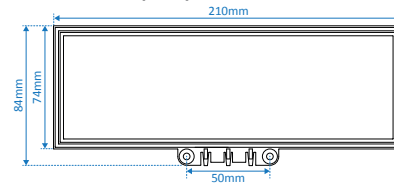
#### XR-A45 / A4 (half)



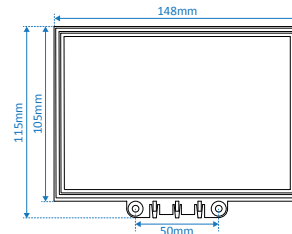
#### XR-A50 / A5



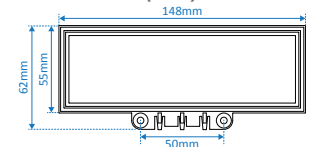
#### XR-A55 / A5 (half)



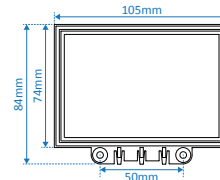
#### XR-A60 / A6



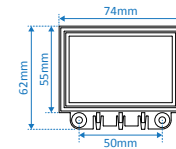
#### XR-A65 / A6 (half)



#### XR-A70 / A7



#### XR-A80 / A8



### Ordering information

Product ID	Description	Quantity
XR-A45	RFID antenna rectangular A4 (half) 297x105mm	1 pc
XR-A50	RFID antenna rectangular A5 210x148mm	1 pc
XR-A55	RFID antenna rectangular A5 (half) 210x74mm	1 pc
XR-A60	RFID antenna rectangular A6 148x105mm	1 pc
XR-A65	RFID antenna rectangular A6 (half) 148x52mm	1 pc
XR-A70	RFID antenna rectangular A7 105x74mm	1 pc
XR-A80	RFID antenna rectangular A8 74x52mm	1 pc