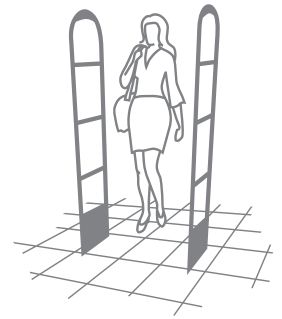




**IRIDIUM LTD**, spol. s r.o.  
developing and producing company



# Anti - shoplifting Systems



**IRIDIUM oplossingen worden binnen Nederland gedistribueerd door:**

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7942 KA MEPEL  
+31(0)522 240 405



[www.elbes.nl](http://www.elbes.nl)

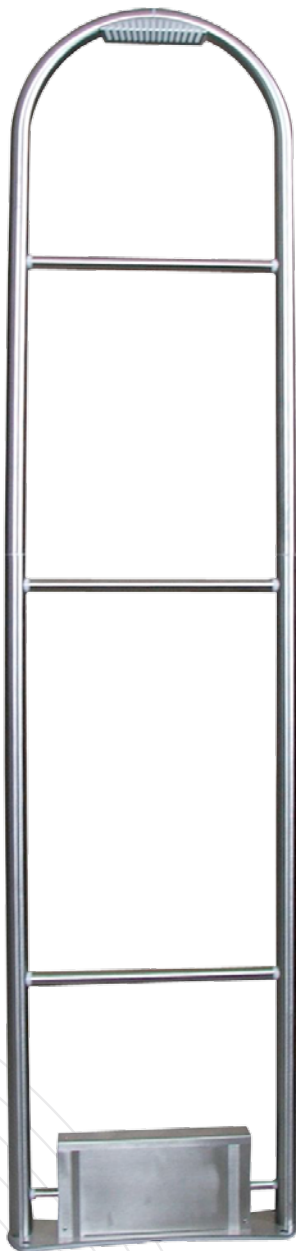
*Protection of goods*

RF SYSTEM

MONO

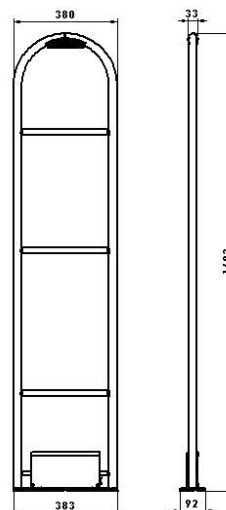
# IRIDIUM Alfa

**RF Mono-Antenna System 8,2 MHz for hard tags and paper labels.**



**Frequency:** 8,2 Mhz RF  
**Weight:** 4,8 kg  
**Power supply:** 15V AC included in delivery  
**Antenna:** mono, stainless with 3 horizontal bars  
**Construction:** very strong but light weight  
**Material:** all metal parts are made of matt stainless steel. They are resistant to all current corrosion. Plastic parts are made from high quality plastic.  
**Alarm sound:** small piezo, 100 dB loudness  
**Alarm light:** is protected by stainless steel cover

**Dimensions:**



**Detection distances table:**

Paper labels 3 x 4 cm	2 x 0,7 - 0,8 m
Paper labels 4 x 4 cm	2 x 0,8 - 0,9 m
Paper labels 5 x 5 cm	2 x 0,9 - 1,0 m
Hard tag D 50	2 x 1,15 - 1,2 m
Hard tag D 40	2 x 1,0 - 1,1 m
Hard tag Mini square	2 x 1,0 - 1,1 m

**Warranty:** 3 years

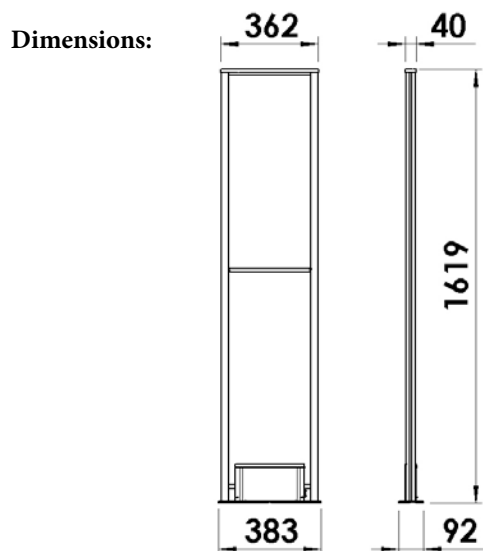


# IRIDIUM Kappa 1

**RF Mono-Antenna System 8,2 MHz for hard tags and paper labels.**



- Frequency:** 8,2 Mhz RF
- Weight:** 5,9 kg
- Power supply:** 15V AC included in delivery
- Antenna:** 1 - horizontal bar
- Construction:** strong luxury design
- Material:** alloy profile with surface treatment  
metal box, base plate and 1 horizontal bar,  
white plastic light cover
- Alarm sound:** small piezo, 100 dB loudness
- Alarm light:** is protected by stainless steel cover



**Detection distances table:**

Paper labels 3 x 4 cm	2 x 0,7 - 0,8 m
Paper labels 4 x 4 cm	2 x 0,8 - 0,9 m
Paper labels 5 x 5 cm	2 x 0,9 - 1,0 m
Hard tag D 50	2 x 1,15 - 1,2 m
Hard tag D 40	2 x 1,0 - 1,1 m
Hard tag Mini square	2 x 1,0 - 1,1 m

**Warranty:** 3 years



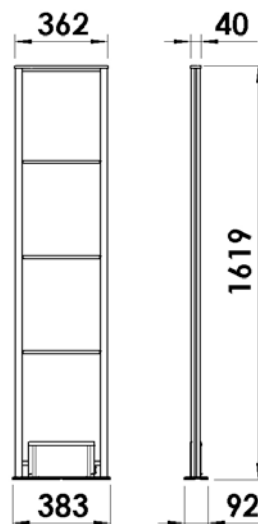
# IRIDIUM Kappa 3

**RF Mono-Antenna System 8,2 MHz for hard tags and paper labels.**



<b>Frequency:</b>	8,2 Mhz RF
<b>Weight:</b>	6,2 kg
<b>Power supply:</b>	15V AC included in delivery
<b>Antenna:</b>	3 horizontal bars
<b>Construction:</b>	strong luxury design
<b>Material:</b>	alloy profile with surface treatment metal box, base plate and 1 horizontal bar, white plastic light cover
<b>Alarm sound:</b>	small piezo, 100 dB loudness
<b>Alarm light:</b>	red colour LED with white plastic cover

**Dimensions:**



**Detection distances table:**

Paper labels 3 x 4 cm	2 x 0,7 - 0,8 m
Paper labels 4 x 4 cm	2 x 0,8 - 0,9 m
Paper labels 5 x 5 cm	2 x 0,9 - 1,0 m
Hard tag D 50	2 x 1,15 - 1,2 m
Hard tag D 40	2 x 1,0 - 1,1 m
Hard tag Mini square	2 x 1,0 - 1,1 m

**Warranty:** 3 years



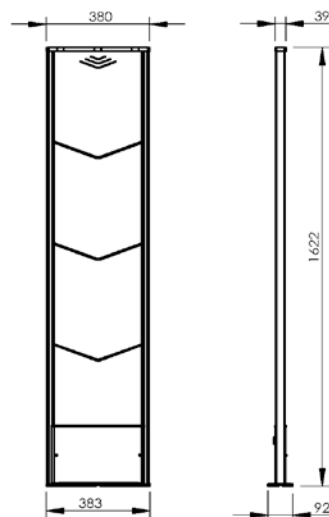
# IRIDIUM Delta Plexi

**RF Mono-Antenna System 8,2 MHz for hard tags and paper labels.**



- Frequency:** 8,2 Mhz RF  
**Weight:** 10,5 kg  
**Power supply:** 15V AC included in delivery  
**Antenna:** mono, luxury design  
**Construction:** very strong  
**Material:** aluminium profile, metal box and base plate, two layers surface treatment, plexiglass  
**Alarm sound:** small piezo, 100 dB loudness  
**Alarm light:** red colour LED  
**Option:** blue illuminance during operation of system

**Dimensions:**



**Detection distances table:**

Paper labels 3 x 4 cm	2 x 0,7 - 0,8 m
Paper labels 4 x 4 cm	2 x 0,8 - 0,9 m
Paper labels 5 x 5 cm	2 x 0,9 - 1,0 m
Hard tag D 50	2 x 1,15 - 1,2 m
Hard tag D 40	2 x 1,0 - 1,1 m
Hard tag Mini square	2 x 1,0 - 1,1 m

**Warranty:** 3 years

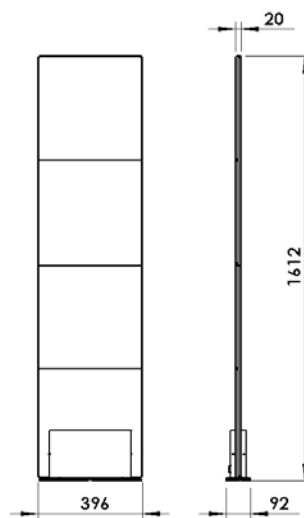


# IRIDIUM Sirius Plexi

**RF Mono-Antenna System 8,2 MHz for hard tags and paper labels.**

- Frequency:** 8,2 Mhz RF
- Weight:** 17,5 kg
- Power supply:** 15V AC included in delivery
- Antenna:** mono, luxury design
- Construction:** very strong
- Material:** transparent plexiglass thickness 20mm, width 396 mm, stainless box and base plate with scotch brite surface treatment, plexiglass manufacturer guarantees 30-year warranty against yellowing
- Alarm sound:** small piezo, 100 dB loudness
- Alarm light:** red colour LED
- Option:** blue illuminance during operation of system

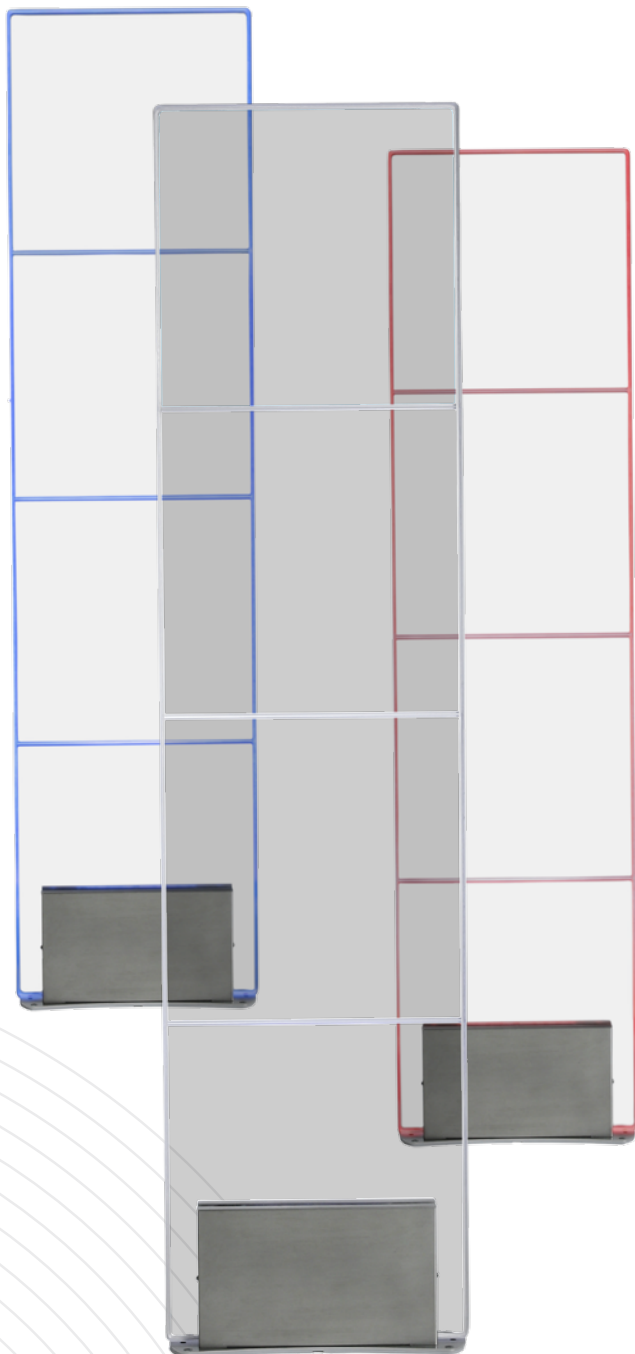
**Dimensions:**



**Detection distances table:**

Paper labels 3 x 4 cm	2 x 0,7 - 0,8 m
Paper labels 4 x 4 cm	2 x 0,8 - 0,9 m
Paper labels 5 x 5 cm	2 x 0,9 - 1,0 m
Hard tag D 50	2 x 1,15 - 1,2 m
Hard tag D 40	2 x 1,0 - 1,1 m
Hard tag Mini square	2 x 1,0 - 1,1 m

**Warranty:** 3 years



*Protection of goods*

RF SYSTEM

DUAL



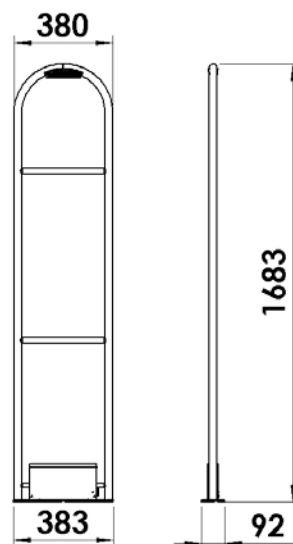
# IRIDIUM Beta Dual

**RF Dual RX+TX system 8,2 MHz for hard tags and paper labels.**



**Frequency:** 8,2 MHz RF  
**Weight:** RX 5kg; TX 5kg  
**Power supply:** 24V DC 2,1A  
**Construction:** 2bar-very tough, but light weight  
**Material:** all metal parts - pipes are produced from matt stainless steel, metal box and based plate  
**Alarm sound:** small piezo, 100dB loudness  
**Alarm light:** protected by stainless metal plate

**Dimensions:**



**Detection distances table:**

Paper labels 3 x 4 cm	1,0 - 1,1 m
Paper labels 4 x 4 cm	1,1 - 1,2 m
Paper labels 5 x 5 cm	1,15 - 1,25 m
Hard tag D 50	1,5 - 1,6 m
Hard tag D 40	1,3 - 1,4 m
Hard tag Mini square	1,3 - 1,4 m

**Warranty:** 3 years

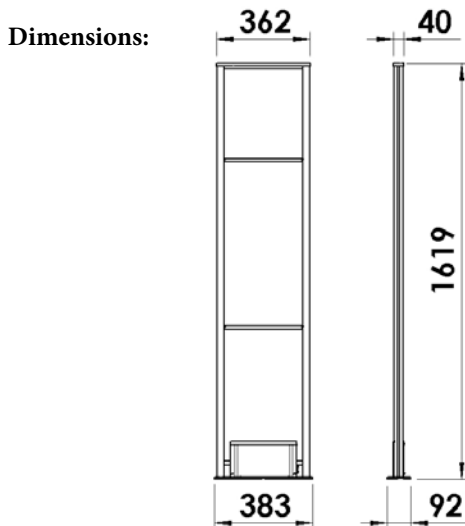


# IRIDIUM Kappa Dual

**RF Dual RX+TX system 8,2 MHz for hard tags and paper labels.**



**Frequency:** 8,2 MHz RF  
**Weight:** RX 6,5 kg; TX 6,4 kg  
**Power supply:** 24V DC 2,1A  
**Construction:** 2bar RX + TX antennas  
**Material:** alloy profile, metal box + base plate, 2 horizontal bars, powder coating surface treatment  
**Alarm sound:** small piezo, 100dB loudness  
**Alarm light:** red colour LED



**Detection distances table:**

Paper labels 3 x 4 cm	1,0 - 1,1 m
Paper labels 4 x 4 cm	1,1 - 1,2 m
Paper labels 5 x 5 cm	1,15 - 1,25 m
Hard tag D 50	1,5 - 1,6 m
Hard tag D 40	1,3 - 1,4 m
Hard tag Mini square	1,3 - 1,4 m

**Warranty:** 3 years



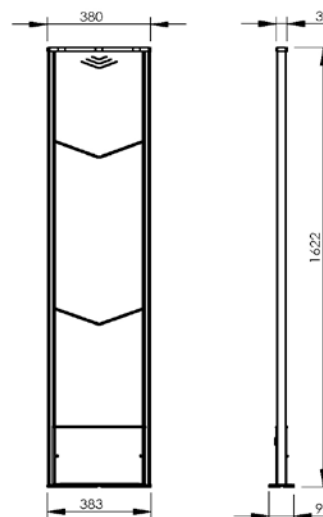
# IRIDIUM Delta Plexi Dual

**RF Dual RX+TX system 8,2 MHz for hard tags and paper labels.**



- Frequency:** 8,2 MHz RF  
**Weight:** RX 10,3 kg; TX 10,2 kg  
**Power supply:** 24V DC 2,1A  
**Construction:** RX + TX antennas, with plexiglass  
**Material:** aluminium profile, metal box and base plate, two layers of metalize surface treatment grey colour, plexiglass  
**Alarm sound:** small piezo, 100dB loudness  
**Alarm light:** red colour LED  
**Optional:** blue illuminance during operation of system

**Dimensions:**



**Detection distances table:**

Paper labels 3 x 4 cm	1,0 - 1,1 m
Paper labels 4 x 4 cm	1,1 - 1,2 m
Paper labels 5 x 5 cm	1,15 - 1,25 m
Hard tag D 50	1,5 - 1,6 m
Hard tag D 40	1,3 - 1,4 m
Hard tag Mini square	1,3 - 1,4 m

**Warranty:** 3 years



*Protection of goods*

# ACCESSORIES

*Inseparable part of the secure protection of your goods is accessories.*

They are divided by type of the protected goods.

Each item of goods is protected by security labels and tags, which are divided according the form of use.

When paying for goods the labels and tags are removed or deactivated by the staff of the shop via detacher or deactivator.

### Our offer of accessories:

- Paper labels
- Hard tags
- Lanyards, Box Wraps and others
- Detacher, Deactivator

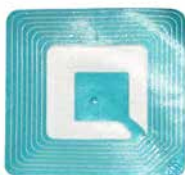
# Paper labels

- used for **one-shot protection** of different kind of goods
- label of different sizes
- most commonly labels is size 4x4xcm with printed fake barcode
- suitable for protection of supermarket with food product as well as bookshops, drugstore, perfumery, toys, shoes, etc.
- not suitable for metal or plated cover
- the label must be deactivated beside cash desk, it is not necessary to remove them from the goods



### Paper labels 3x4 cm

**Dimension:** 30x40mm  
**Quality factor:**  $Q \geq 70$   
**Operating frequency:** 8,2MHz ( $\pm 3\%$ )  
**Colour:** white, fake barcode  
**Quantity per Roll:** 1000 pcs  
**Packing details:** 20 000pcs/ctn; 12kgs/ctn



### Paper labels 4x4 cm

**Dimension:** 40x40mm  
**Quality factor:**  $Q \geq 70$   
**Operating frequency:** 8,2MHz ( $\pm 3\%$ )  
**Colour:** white, fake barcode  
**Quantity per Roll:** 2000 pcs  
**Packing details:** 20 000pcs/ctn; 12kgs/ctn



### Paper labels 5x5 cm

**Dimension:** 50x50mm  
**Quality factor:**  $Q \geq 70$   
**Operating frequency:** 8,2MHz ( $\pm 3\%$ )  
**Colour:** white, fake barcode  
**Quantity per Roll:** 1000 pcs  
**Packing details:** 20 000pcs/ctn; 12kgs/ctn

# Hard tags

## Hard tags:

- are designed to protect the goods **with possibility for repeated use**
- on goods are attached via a pin or lanyard
- **to remove them** from the goods you need a **special detacher**
- mostly are designed to protect textile goods, sports goods, handbags, etc.
- differ in design and size



### Hard tag - E5B

**Diameter:** 50 mm  
**Resonating frequency:** 8,2MHz  
**Technology:** radio frequency (RF)  
**Material:** ABS with polished surfaces  
**Colour:** black



### Hard tag - Bottle tag

**Diameter:** 50mm  
**Resonating frequency:** 8,2MHz  
**Technology:** radio frequency (RF)  
**Lanyard length / type:** 160mm / metal cable  
**Colour:** white or black with black ball



### Hard tag - Mini Square

**Dimension:** 52x43mm  
**Resonating frequency:** 8,2 MHz  
**Technology:** radio frequency (RF)  
**Material:** ABS  
**Colour:** black

# Lanyards, Box Wraps and others

## Lanyards:

- lanyards are **used to attach hard tags to goods** in case where it is not possible to use the hard tags with smooth pins
- for example: the toys, backpacks, bags and also other similar items

## Box Wrap – protection of boxes:

- protection prevents from stealing, but also pilferage boxes. We can call it spider on the box.

## Double protection:

1. Acoustic alarm will start working when cutting the cord/cable.
2. Acoustic alarm will work near the system

## Triple Protection:

- 1.- 2. Identical with the double protection
3. Acoustic alarm will start working when passing through the system and leave the store



## Lanyard

**Type of lanyard:** one loop with smooth pin  
**Length:** 240mm  
**Material:** metal cable with plast  
**Colour:** black



## Double Protection - Box Wrap No.1:

**Dimension:** ø57x47mm  
**Resonating frequency:** 8,2MHz (RF)  
**Length of lanyards / lock:** 60cm (medium) / super lock  
**Colour:** black, white  
**Packing details:** 100pcs/ctn; 12kg/ctn

## Triple protection Cable lock

**Dimension:** 83x34x23mm  
**Resonating frequency:** 8,2MHz (RF)  
**Lanyard length/ lock:** 175mm; 1200mm / super lock  
**Colour:** black  
**Packing details:** 100pcs/ctn; 5,5kg/ctn



## Double Protection - Box Wrap No.2:

**Dimension:** ø72x54mm  
**Resonating frequency:** 8,2MHz (RF)  
**Length of lanyards / lock:** 80cm (large) / super lock  
**Colour:** black  
**Packing details:** 100pcs/ctn; 12kg/ctn



## Triple Protection - Box Wrap No.3:

**Dimension:** ø57x54mm  
**Resonating frequency:** 8,2MHz (RF)  
**Length of lanyards / lock:** 60cm (medium) / super lock  
**Colour:** black, white  
**Packing details:** 100pcs/ctn; 9kg/ctn

# Detacher and Deactivator

## Detacher:

- detacher allows for **quick and easy release** of **hard tags** used for protection of goods and attached to them

## Deactivator:

- makes it easy to disable (disposal) of self-adhesive paper labels
- **deactivation** is carried out **over the deactivator pad**, which is often located near the cash desk
- it is a contactless deactivation



### Detacher no.1

**Dimension:**  $\varnothing 70 \times 55$  mm

**Weight:** 520 g

**Material:** plastic cover



### RF deactivator:

- deactivators unit with electronics, power supply and deactivator pad

**Deactivation field:** 20cm

**Dimension of deactivator unit:** 170x250x40 mm

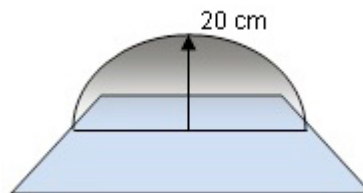
**Dimension of deactivator pad:** 300x250x80 mm

**Weight:** 1,67 kg

**Power supply:** 15V AC

**Colour:** black

### Typical shape of deactivation field:







SK - Poprad



SK - Nitra



Greece



SK - Žilina



Hungary



Hungary



PL - Krakow



SK - Poprad



Greece



Greece



SK - Galanta



Greece



SK - Poprad

SK - Žilina

REFERENCES

[www.elbes.nl](http://www.elbes.nl)

Uw IRIDIUM distributeur:



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