



# EOS-110

The Tageos EOS-110 is a small wide-band Gen2 UHF RFID label with a short read range designed to identify very small items. The label is suitable for item-level labeling needs in jewelry or healthcare industry.



### APPLICATIONS



Jewelry

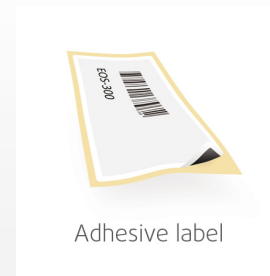


Healthcare

## GENERAL SPECIFICATIONS

|                     |   |
|---------------------|---|
| <b>Frequency</b>    | FCC 902-928 MHz / ETSI 865-868 MHz / ASIA 950-956 MHz |
| <b>Protocol</b>     | EPC Class 1 Gen 2                                     |
| <b>EPC memory</b>   | Up to 128 bits  |
| <b>User memory</b>  | Up to 128 bits  |
| <b>Antenna size</b> | 14 x 11 mm / 0.55 x 0.43 in                           |
| <b>Label size</b>   | 18 x 15 mm / 0.71 x 0.59 in                           |

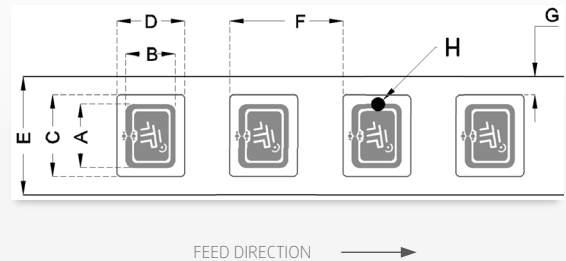
## AVAILABLE FORMATS



Adhesive label

## MECHANICAL DIMENSIONS

| DIMENSIONS | DESCRIPTION         | METRIC         | US             |
|------------|---------------------|----------------|----------------|
| A x B      | Antenna size        | 14 x 11 mm     | 0.55 x 0.43 in |
| C x D      | Label size          | 18 x 15 mm     | 0.71 x 0.59 in |
| E          | Web width           | 25 mm          | 0.98 in        |
| F          | Pitch               | 25 mm ± 0,5 mm | 0.98 in        |
| G          | Die-cut to web edge | 4,5 mm         | 0.18 in        |
| H          | Bad mark            | Ø 4 mm         | Ø 0.16 in      |





## RFID CHIP SILICON

| TAG SILICON           | ALIEN HIGGS 4                     | IMPINJ MONZA R6                   | IMPINJ MONZA R6-P                 |
|-----------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Protocol              | EPC Class 1 Gen 2                 | EPC Class 1 Gen 2                 | EPC Class 1 Gen 2                 |
| Operating frequency   | 860 – 960 MHz                     | 860 – 960 MHz                     | 860 – 960 MHz                     |
| EPC memory            | Up to 128 bits                    | 96 bits                           | Up to 128 bits                    |
| User memory           | 128 bits                          | -                                 | Up to 64 bits                     |
| Operating temperature | -50°C / +85°C<br>(-58°F / +185°F) | -40°C / +85°C<br>(-40°F / +185°F) | -40°C / +85°C<br>(-40°F / +185°F) |

## PRODUCT CHARACTERISTICS

|                     | ADHESIVE LABEL   |
|---------------------|--|
| Antenna material    | Aluminum   |
| Front face material | White TT printable paper<br>White TT printable plastic |
| Back face material  | -  |
| Adhesive            | Solvent-free permanent acrylic adhesive                |
| Final inspection    | 100% tested, defective tags marked                     |

## DELIVERY CONDITIONS

|                        | ADHESIVE LABEL            |
|------------------------|---------------------------|
| Packaging              | Roll (single row)         |
| Core inner diameter    | 76 mm / 3 in              |
| Roll outer diameter    | 200 mm / 7.87 in          |
| Unwinding direction    | Labels on outside of roll |
| Standard roll size     | 2500 pcs                  |
| Minimum order quantity | One roll                  |

## CERTIFICATIONS & APPROVALS



## CONTACT

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