



# Battery-Free UHF RFID E-Paper Tags

## Optimize Manufacturing Processes with Paperless RFID Solutions

Reduce Error Procedures | Real-time Visibility | Flexible and Efficiency

Unitech's UHF E-paper tags are the ultimate solution for accurate and efficient management in manufacturing applications. The battery-free E-paper tag can be integrated with your UHF RFID solutions to boost the automated production line and enhance overall efficiency. With its low power consumption and dynamic information delivered via UHF wireless communication, the UHF E-paper technology seamlessly integrates with production status cards, electronic shelf labels, and logistics labels to reduce error procedures. Additionally, the revolutionary technology of the UHF e-Paper tag provides clear display information even under bright sunlight, allowing for easy updates through RFID UHF. Say goodbye to complicated and outdated systems and embrace the future with the unparalleled convenience and efficiency of UHF e-Paper tag. Experience the difference in technology and elevate your business to new heights with this cutting-edge device.



|                         |                      |  |
|-------------------------|----------------------|--|
|                         | <b>Protocol</b>      | EPCglobal Class1 Gen2                          |
|                         | <b>Dimension</b>     | 103 (L) * 46 (W) * 6.61 (H) mm                 |
|                         | <b>Weight</b>        | 35g  |
| <b>Display</b>          | Size                 | 2.9 inch                                       |
|                         | Color                | Black / White                                  |
|                         | Resolution           | 296 (H) * 128 (V) pixels, 112 dpi              |
|                         | Display lifecycle    | More than 1,000,000 updates                    |
| <b>Memory</b>           | USER bank            | 61,440 bits                                    |
|                         | EPC length           | up to 480bits                                  |
| <b>User Environment</b> | Operation Temot.     | 0°C~40°C                                       |
|                         | Storage Tempt.       | -25°C ~ 60°C                                   |
|                         | Humidity             | under 80%, non-condensation                    |
|                         | IK impact protection | Follow IK3 standard                            |
|                         | Sealing              | 1P67   |
|                         | Drop                 | 1.2 meter                                      |
| <b>Certifications</b>   |                      | CE, FCC, UKCA, ISE D(IC), ACMA, NBTC, TRC, RSM |

### Product Warnings

- Use of organic solvents such as alcohol, thinner, benzene, etc. or abrasive detergents may cause malfunction.
- Do not directly submerge this product or shower it in hot or cold water.
- Do not install this product in a location where it will be exposed to direct sunlight. This may cause deterioration of the equipment.
- It is recommended to update the display at least once a day to avoid image sticking. Or update the display pattern to all white when it is confirmed that the display will not be refreshed for more than a day

