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STA 109420 Inlay

Ultra High Frequency 860-960MHz Robust Design & Exceptional Performance

<u>Features</u>

EPCglobal Class1 Gen2 (ISO18000-6C) compliant

Operating frequency 860-960 MHz

Read/Write

Fast read rates for dense reader environments

Anti-collision

64-bit TID

—Kill command set

Scalable Production & Conversion

Exceptional performance at Low Cost

Ονεινίεω

The Ultra high frequency (UHF) Inlay STA 109420 consists of 860-960MHz transponders that are compliant with EPC global Class 1 Gen 2 standard (ISO18000-6C).

These products offer four memory banks, including 240-bit EPC number, 64-bit Tag ID and optional 512-bit programmable user memory, which can each be independently locked with a password to prevent overwriting. In addition, the locking structure is protected by a 32-bit password, offering a stronger level of security.

Combining well with UHF readers, the STA 109420 delivers exceptional EPC Gen 2 range and reliability at competitive price. Two delivery formats are available: wet inlay and dry inlay.

Applications

The STA IO9420 Inlays are well suited for a variety of applications including, but not limited to:

Retail

Distribution Logistics

Work in Process (WIP)

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Product Specifications

Physical Characteristics

Dimensions

94×20×0.21mm (3.7×0.8×0.01in)

Base material PET

PET; aluminum

Inlay dimensions

User Environment

Operating temperature	-10°C to +50°C (14°C to 122°C)
Storage temperature	
On real	-40°C to +40°C (-40°F to 104°F)
Single inlay	-40°C to +80°C (-40°F to 176°F)

Performance Specifications

Operating frequency	860-960MHz
RF air protocol	ISO 18000-6C
Functionality	Read/Write
Memory	240-bit EPC code, 64-bit TID and Optional 512-bit programmable user memory
Data retention	Up to 10 years
Read distance	Up to 7m (23ft); reader & antenna dependent
Anti-collision	Simultaneous identification of multiple tags

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