

## RFID Hangtag based on NXP UCODE 8

Noah Intelligent launched UHF garment tag based on NXP UCODE 8 chip. This label is developed independently to meet the needs of market development. It has stable performance and meets the requirements of specific working environment.

The tag can be used in a frequency range of 902MHz-928MHz. The tag chip contains an automatic tuning mechanism and a conflict-proof mechanism. It has excellent environmental practicability. Tag performance is improved by the “self-adjust” feature: The chip always tunes itself according to the substrate and environment materials. The UCODE 8 always reaches maximum performance and reading range, whether it is applied to fabrics, leather, plastics, or metal. It also adjusts to the different UHF frequency ranges being used in North America and Europe.

**Application:** Logistics, Warehouse Management, Retail

### [Product parameters]

Chip: NXP UCODE 8  
Standard protocol: ISO-18000-6CEPC Class 1Gen 2  
Working frequency: Global (860 - 960 MHz)  
Read-write distance: 0-6m  
Reading and writing time: 1-2 MS  
Working Temperature: - 20 ~85  
Erase life: > 100,000  
Data Preservation: > 10 Years  
Shape size: 115\*45mm (Customized)  
Packaging materials: PVC, PET, paper  
EPC Memory: 128 bit  
TID Memo: 96-bit Tag IDentifier (TID) factory locked  
48-bit unique serial number factory-encoded into TID  
Inlay size: 70\*14mm/50\*30mm/42\*16mm(Customized))



## RFID NXP UCODE 8 服装吊牌电子标签

诺亚智能推出基于 NXP UCODE 8 芯片的超高频服装吊牌标签。该款标签是针对市场发展的需求自主研发，性能稳定强大，满足特定工作环境要求。UCODE 8 是 NXP 的 UCODE 系统最新一代产品，可为大量密集物品提供卓越的读取距离及读取速度。该芯片具有自动调整功能，可优化芯片灵敏度，从而在不同环境中获得最佳性能。该芯片还集成品牌标识符功能及内存保护系统，以帮助产品防伪及数据保护。

该电子标签可用频率范围覆盖 902MHz-928MHz 频带，标签芯片内含自动调谐机制（此功能令电子标签在常用介质中性能更加稳定）和防冲突机制，具有优良的环境实用性，可适合于标签识别的应用场景。

该电子标签在设计过程中经过严格测试以确保该产品拥有优良性能，产品具有体积小、灵敏度高、抗干扰能力强、多标签读写性能优异等特点，不但适用于珠宝首饰行业，亦适用于物流、仓库管理、产品零售等领域。

应用范围：物流、仓库管理、产品零售

### 【产品参数】

芯片：NXP UCODE 8

标准协议：ISO-18000-6CEPC Class 1Gen 2

工作频率：Global (860 – 960 MHz)

读写距离：0 ~ 6m

读写时间：1 ~ 2ms

工作温度：-20C° ~ 85C°

擦写寿命：>100,000

数据保存：>10 年

外形尺寸：115\*45mm(可根据客户要求订做)

封装材料：PVC、PET、纸质

EPC Memory：128 bit

TID Memo：96-bit Tag Identifier (TID) factory locked  
48-bit unique serial number factory-encoded into TID

Inlay 尺寸：70\*14mm/50\*30mm/42\*16mm(可根据客户要求订做)

