NXP UCODE® 9 RFID Steel Wire Seal Tag

UHF **EPC Global GEN2v2** **ISO/IEC 18000-6C**

Key Features

Frequency Band
UHF 860-960 MHz

Chip
NXP UCODE® 9

International Standard
ISO/IEC 18000-6C, EPC Global Gen2V2

**EPC Memory**
96 bits

Read Range
Up to 6 m

1. Product Overview

This NXP UCODE® 9 RFID Steel Wire Seal Tag has excellent performance and stability. The physical properties of the tag have been carefully designed so that it can maintain stable reading and writing performance in various harsh environments, making it an ideal choice for logistics tracking, inventory management, anti-counterfeiting and traceability. By combining the unique properties of tags and chips, our products will bring unprecedented convenience and efficiency to users.

2. Product Parameters

2.1 Physical Characteristics

SKU	AZCT-U9-AW					
Material	ABS and Steel Wire					
Model No.	AW-4840	AW-4428	AW-6028	AW-8256	AW-7828	AW-5053
Tag Size(mm)	48x40x13	44x28x8	60x28x8	82x56	78x28	50x53
Cable Tie Length(mm)	310	300	280	280	280	280
Weight	19 g	17 g	19 g	13 g	11g	8.5g
Color	Red / Yellow / Blue / Black / White					

2.2 Technical Parameters

Communication Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Operating Frequency	UHF 860-960 MHz
Read Range	Up to 6 m

RFID Tag

2.3 Chip Characteristics

Chip Manufacturer	NXP®
Chip Type	NXP UCODE®9
Write Endurance	100 000 times
Data Retention	20 years
EPC Memory	96 Bits
TID Memory	96 Bits
Read Sensitivity	-24 dBm
Write Sensitivity	-22 dBm
Kill Password Memory	32 bits
Communication Rate	32 bits in 0.96 ms
Memory Safeguard	Yes

2.4 Additional Information

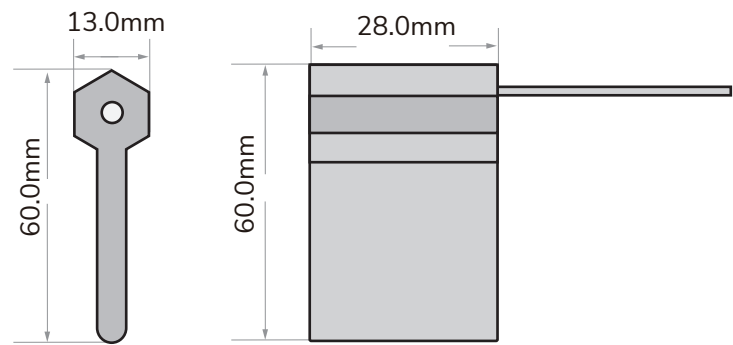|	
Operating Environment	-30℃~+85℃
Application	Logistics tracking, inventory management, sourcing and traceability

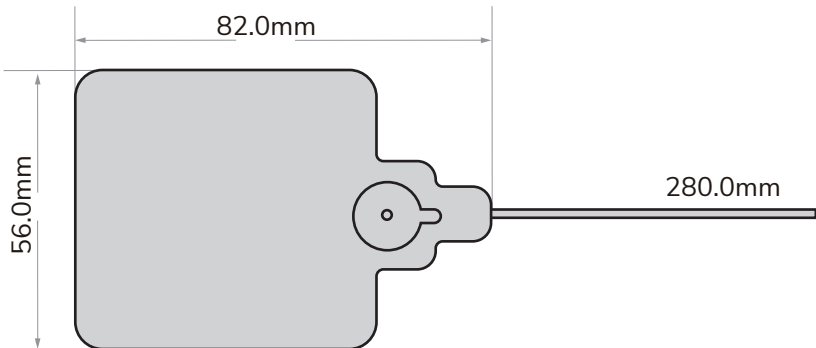## 3.   Size and Specification Drawing:

(1)   Model No. AW-4840
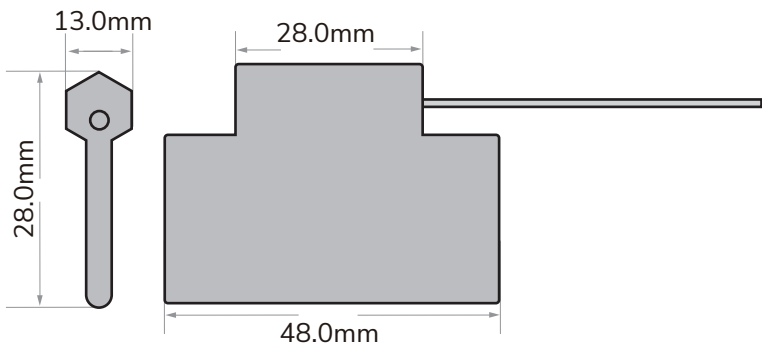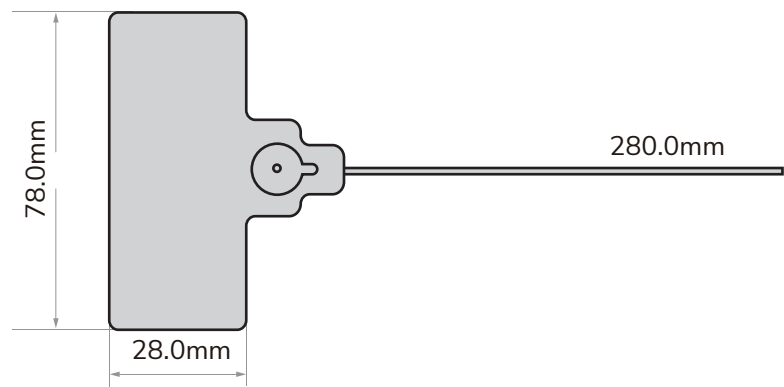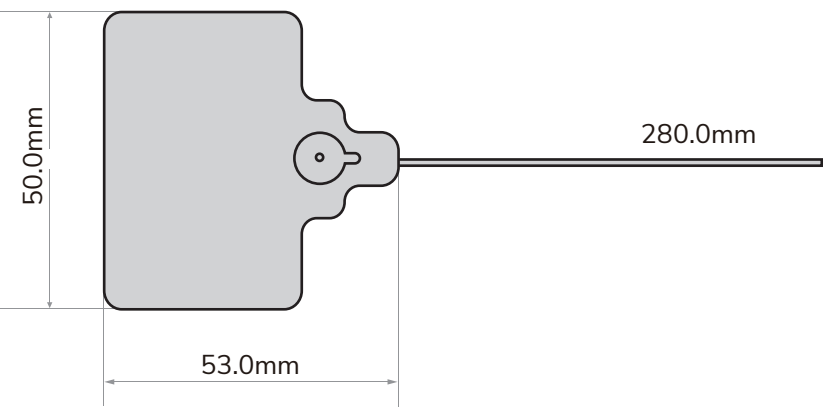

(2)   Model No. AW-4428
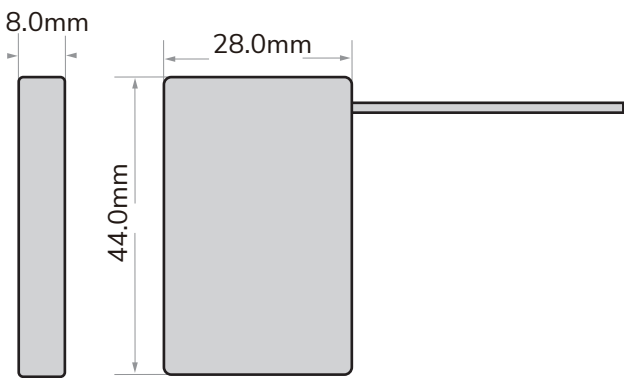
(3)   Model No. AW-6028

(4)   Model No. AW-8256

(5)   Model No. AW-7828

78.0mm

28.0mm

280.0mm

(6)   Model No. AW-5053

50.0mm

53.0mm

280.0mm