

# DoubleClue OTP Token White Paper

## 1. Introduction

The Single Button OTP Tokens with the compact size of a key ring generate time-based one-time passwords compliant with the standardized OATH-TOTP algorithm.

## 2. Supported Algorithm

The tokens support a Time-based One-Time Password algorithm (TOTP) according to the international standard IETF RFC 6238.

## 3. General Features

- OATH-compliant TOTP (Time-based OTP)
- SHA-1 and SHA-2 Hash algorithm
- Cycle time of 60 seconds
- 6-digit display, optionally with 8-digit display

## 4. Product Information

Every token has a printed registration key and a seed. The secret seed is used to generate the passcode. Tokens come in batches and every batch has a seed file which is encrypted with a phrase of 32 characters. The seed file is imported into DoubleClue Enterprise Management (DCEM) together with the phrase. The DCEM Operator can then assign tokens to users.



**OTP c200 H41**



**OTP c200 128**

## 5. Product Specifications

<b>Case H41</b>	<b>Size: 60 x 27 x 10 mm</b>	<b>Weight: 16.1 g</b>
<b>Case 128</b>	<b>Size: 45 x 20 x 7 mm</b>	<b>Weight: 13.4g</b>
<b>Material</b>	<b>PC+ABS</b>	
<b>Energy Consumption</b>	<b>Less than 0.005 mW</b>	
<b>Operating Temperature</b>	<b>-10 °C till 50 °C</b>	
<b>Storage Temperature</b>	<b>-20 °C till 70 °C</b>	
<b>Humidity</b>	<b>0 – 100% without condensation</b>	
<b>Lifetime of Battery</b>	<b>5 years</b>	
<b>Physical Resistance</b>	<b>IP 65 Ingress Protection (under evaluation) IP 68 for Glue Injection</b>	