

Entrust OTP Token with Integrated Camera and Convenient Online Banking Security

Cost-Effective OTP Hardware Combines Ease-of-Use with Accessible and Convenient Camera

Entrust IdentityGuard customers are now offered access to a One-Time Passcode (OTP) token with an integrated camera that is not only cost-effective but easy to use.

Entrust's new OTP token with an integrated camera makes transaction security as simple as point-and-shoot. The robust token uses its integrated camera to allow users to take advantage of digital image processing and QR code-analyzing technology. By simply taking a picture of a QR code image and pressing a button on the token, your customers can securely and automatically verify their transaction without any data entry— even when they don't have access to WiFi or a data connection – eliminating the need to input long transaction data with a keyboard. While simple for customers to use, the new Entrust integrated-camera OTP token supports three-factor authentication, including the use of a static, one-time password and visual verification. Each token also encrypts QR images, providing reliable protection from Man-in-the-Middle (MitM) malware.

In addition to seamlessly integrating with your existing Entrust IdentityGuard solution, the token uses a lightweight re-chargeable battery, removing the need to buy and install expensive, heavy batteries. The use of industry standard black and white QR standards also allow the token to be produced at a much lower cost than tokens that employ proprietary color QR standards. Additionally, to provide added confidence to your customers, each of these tokens can be customized with your bank's logo at no additional charge.

The token can be utilized in a variety of different transaction-based solutions whereby the QR code could be displayed in a Web browser, ATM, Point of Sale or even a printed contract. All of these transactions could be digitally signed by the token.

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Entrust OTP Token with Integrated Camera Features:

- **Simple Point-and-Shoot Convenience:** Users can simply press a button to snap a picture of a QR code image to securely and automatically generate transaction data.
- **Automatically Verify Transaction without Data Entry:** The integrated camera allows users to snap a picture quickly to analyze QR code images, eliminating the need to input long transaction data with a keyboard.
- **Sign What you See:** Users can see transaction data directly from the token screen, and can compare data with the data shown on your website.
- **Seamless Integration:** The integrated camera OTP token can be easily incorporated into your existing Entrust IdentityGuard solution.
- **Lightweight with Long Battery Life:** Each token has a rechargeable battery with a life-span of five years, eliminating the need to buy and install expensive batteries.

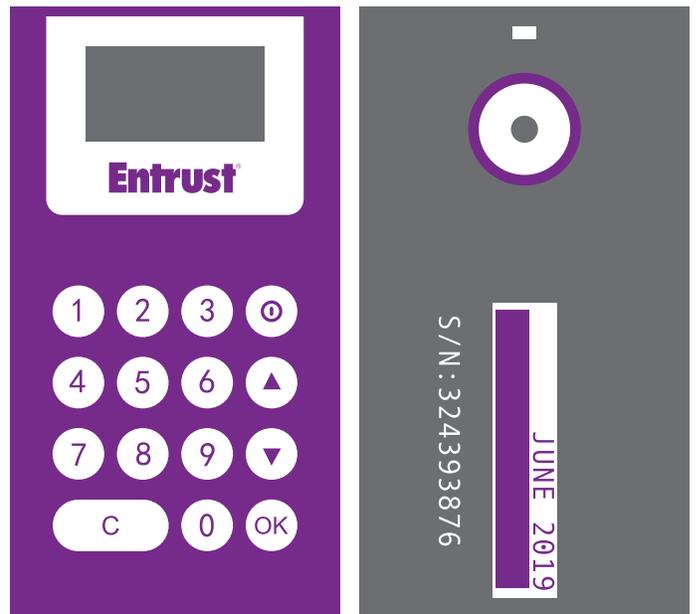
Entrust OTP Token with Integrated Camera Specifications:

- OTP codes can be generated simply by pressing "OK" button
- Four keypads for control input
- Personal Identification Number (PIN) protected
- Device locks after a multiple incorrect PIN authentication inputs
- PIN can be changed via device or by taking a picture of a QR code image
- PIN can be unlocked by taking a picture of a QR code image
- Device can be activated by taking a picture of a QR code image
- E-signature (OTP Code) data can be 6 to 8 digits
- No wireless network connection required
- Challenge data are decoded and displayed on device screen via camera capturing QR code
- Transaction data encoded in the QR code image is encrypted with a high-security AES algorithm, and the data encryption key changes dynamically
- Chargeable battery and efficient battery conservation, internal battery management
- USB port can be used only for recharging the token, and cannot be used to access data
- Tamper proof



Entrust OTP Token with Integrated Camera Hardware Specifications

- **LCD Display:** 4 lines, 128 X 64 pixels
- **Dimensions:** 78 X 42 X 8 mm
- **Camera:** 300K pixels CMOS
- **Capture QR code rate:** 800bits/second
- **Support QR code version:** v10
- **Keypad:** 4 pads
- **Battery:** 180 mAh chargeable battery
- **Operating Temperature:** 0°C - 60°C
- **Operating Humidity:** 10% - 90% RH Non-congealing
- **Keypad Life:** At least 100K times
- **Mechanical Shock:** Will work after 1.5m drop to marble floor
- **Electrostatic Discharge:** Will work from 8kv
- **Life:** Five years



Entrust IdentityGuard: Your Enterprise Authentication Platform

Entrust IdentityGuard is a next-generation identity-based security framework that serves as the foundation for your current and evolving digital identity needs. With rich, contextual policy management, your security can automatically adapt according to access requirements or the risk in a given transaction — across diverse users and applications.

Entrust's software authentication platform does not impact normal user behavior or back-end applications, speeding deployment and helping you save money. Entrust IdentityGuard affords the flexibility for specific authenticators to be defined on a per applications and/or group basis so you can tailor security to the use case and risk situation. A simple policy change can seamlessly adjust the authentication behavior of all applications — virtually instantly, and without having to re-architect applications — giving you the agility to proactively protect what matters most.

About Entrust Datacard

Consumers, citizens and employees increasingly expect anywhere-anytime experiences — whether they are making purchases, crossing borders, accessing e-gov services or logging onto corporate networks. Entrust Datacard offers the trusted identity and secure transaction technologies that make those experiences reliable and secure. Solutions range from the physical world of financial cards, passports and ID cards to the digital realm of authentication, certificates and secure communications. With more than 2,000 Entrust Datacard colleagues around the world, and a network of strong global partners, the company serves customers in 150 countries worldwide.

For more information about Entrust products and services, call **888-690-2424**, email entrust@entrust.com or visit www.entrust.com.

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