Securemetric Technology

SecureOTP
One Time Password Security

SECUREOTP *Event, Time, Challenge Response*
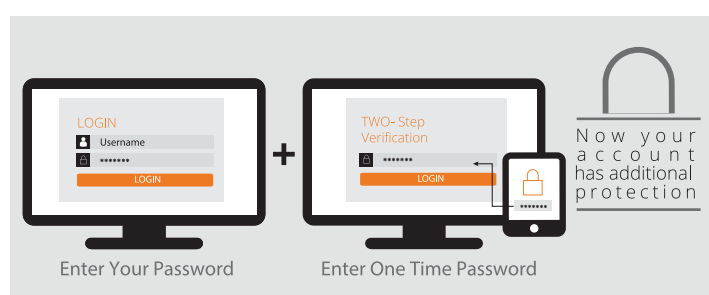

About SecureOTP

SecureOTP is a secure One Time Password (OTP) token that offers strong Dynamic Password with 2 Factor Authentication (2FA). It is based on an advanced microprocessor chip that eliminates the risks presented by static, shared or easily guessed and stolen passwords. No more memorizing or creating compliantly. Simply click the button, and the passwords will be generated automatically.

The OTP platform is developed based on OATH (Open Authentication Technique), an industry wide collaboration on OTP standard. It is designed for maximum (SECURITY), yet easy to Deploy and User-Friendly.

It can be seamlessly integrated with any other 3rd party Authentication Server that supports OATH standard. As a Non-Connected-security-device, no software or driver installation is needed. It is completely portable to use anytime, anywhere.

SecureOTP is designed to support strong crypto algorithms where the algorithms' computation is done completely on hardware and isolated from the computing environment for better security. SecureOTP is a Tamper Proof token where the data will self destruct once the token is physically broken.

WHAT is 2-Factor Authentication?

LOGIN
Username

+

TWO- Step Verification

Now your account has additional protection

Enter Your Password   Enter One Time Password

WHY use 2-Factor Authentication?

Added Layer of Protection	Future of Information Security	Compliant with Industry Standards
Identity Theft Security Breaches	Government Healthcare Financial	Security Approved Safe

Specification

SECURE METRIC TECHNOLOGY

SECUREOTP

	Event	Time	CR
Feature Highlights	• Event-based synchronous • Globally Unique Serial Number Seamless integration with 3rd party • OTP authentication system 6 digits (can be customized up to 8 digits) LCD screen • Zero footprint authentication • Zero Client Software Installation • IP54 compliant • RoHS compliant	• Time-based synchronous • Globally Unique Serial Number Seamless integration with 3rd party • OTP authentication system 6 digits (can be customized up to 8 digits) LCD screen • Zero footprint authentication • Zero Client Software Installation • IP54 compliant • RoHS compliant	• Challenge Response based synchronous • Transaction Signing function • Globally Unique Hardware ID Seamless integration with 3rd party • OTP authentication system: 1 line 8 or more digits with graphic symbol LCD screen • OCRA Challenge Response and OCRA Signature • Pre-personalize with PIN, PUKs • Zero footprint authentication • Zero Client Software Installation • IP54 compliant • RoHS compliant, WEEE/EC directive 94/62 • Safety and environmental compliance to European directives
Hardware Platform	Secure 8-bit Microprocessor smart chip based Onboard OTP generation		
	ABS		I16 - PC + ABS, I20 - ABS
Algorithm	OATH event based HOTP, OATH time based TOTP SHA-1, SHA-256		OATH, OCRA HMAC SHA-1, HMAC SHA-256
Buttons	One button		16 buttons: 10 number keys, 1 power key, 1 confirm key, 1 delete key, 3 function keys
Casing			
	Tamper Evident		
	62mm x 27mm x 10mm dimension		73mm x 50mm x 5mm dimension
Customization	Logo, color, serial number		Logo, front panel, function keys
Security	OTP calculate based on counts	OTP calculate based on time	OTP calculated based on time and challenge-response
Memory	Static Random Access Memory		
Time interval	N/A	30/60 seconds	
Power Consumption	Less than 0.0005mW		Less than 0.0006mW
	Standard Lithium Battery		
	Above 5 years, up to 7 years Battery Lifetime		
Working Environment	Operating Temperature between -10°c - 50°c (14° F - 122°F)		
	Storage Temperature between -20°c - 70°c (-4° F - 158°F)		
	Humidity Rating of 0 to 100% without condensation		
Seed Code format	PSKC		

Casing models: H15, H25, H27, I30, H3, i16, i20