One-Time Password (OTP) Tokens

OATH-compliant Authentication Tokens, Keypads and Cards

OTP Display Card Specification

	HOTP Card	TOTP Card	Programmable TOTP Card
OTP Type	Event-based	Time-based	Time-based
Model	VC-100E	VC-200E	VC-N200E
Algorithm	OATH HOTP (RFC 4226) SHA-1	OATH TOTP (RFC 6238) SHA-1 60 second timestep	OATH TOTP (RFC 6238) SHA-1 30/60 second timestep
Programmable Options	✖	✖	✔ Seed ✔ Timestep
OTP Digits	6	6	6
Display	EPD (e-Ink)	EPD (e-Ink)	EPD (e-Ink)
Power Supply	Flexible Lithium Battery Lifetime: 3 to 5 years	Flexible Lithium Battery Lifetime: 3 to 5 years	Flexible Lithium Battery Lifetime: 3 to 5 years
Form Factor	ISO/IEC 7810 ID-1	ISO/IEC 7810 ID-1	ISO/IEC 7810 ID-1
Dimensions	85.6 x 54 x 0.84 mm	85.6 x 54 x 0.84 mm	85.6 x 54 x 0.84 mm
Weight	4.7 g	4.7 g	4.7 g
Operating Temperature	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C
Storage Temperature	-10 °C to +60 °C	-10 °C to +60 °C	-10 °C to +60 °C
Ingress Protection (IP Rating)	IP68	IP68	IP68

	HOTP Card	TOTP Card	Programmable TOTP Card
Flexibility	Up to 20 mm bending (long side) Up to 10 mm bending (short side)	Up to 20 mm bending (long side) Up to 10 mm bending (short side)	Up to 20 mm bending (long side) Up to 10 mm bending (short side)
Compatibility	SmartSign Duo PingID	SmartSign Microsoft Entra & Azure AD Microsoft 365 & Office 365 Watchguard AuthPoint ESET Smart Authentication PingID	SmartSign Microsoft Entra & Azure AD Microsoft 365 & Office 365 Watchguard AuthPoint ESET Smart Authentication PingID
Compliance	RoHS, FCC, CE	RoHS, FCC, CE	RoHS, FCC, CE
Customisation	Full colour CMYK printing, front and back Customisation minimum order quantity: 1000	Full colour CMYK printing, front and back Customisation minimum order quantity: 1000	Full colour CMYK printing, front and back Customisation minimum order quantity: 1000

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