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Product Sheet



VeriMark™ Desktop 2.0 Fingerprint Key

Part Number: K64741WW | UPC: 0 85896 03871 9

Biometric Security. Built for Desktops. ESS-Ready.

Desktop PC users who require the convenience of biometric login often find most fingerprint solutions are designed for use with laptops, leaving desktop PCs reliant on passwords or awkward add-ons. IT teams face the challenge of finding a desktop-ready solution that works seamlessly with Windows Hello and meets Microsoft's Enhanced Sign-in Security (ESS) requirements without adding complexity.

The VeriMark™ Desktop 2.0 Fingerprint Key is purpose-built for desktop environments. It delivers fast, password-free login through native Windows Hello integration without requiring additional software.

A reliable wired USB connection with USB-C® and USB-A support simplifies deployment, while Match-in-Sensor™ technology securely processes and stores fingerprint data within the device for consistent and dependable authentication.

- SDCP & Windows Hello ESS certified security
- Copilot PC+ Recall ready
- Supports Windows on Intel (x86) & ARM
- 360° fingerprint sensor for consistent reads
- Native Windows Hello passwordless login
- Match-in-Sensor™ with on-device biometric processing
- False Rejection Rate (FRR) of 2.2% | False Acceptance Rate (FAR) of 0.0001%
- Wired USB-C® and USB-A connectivity (3.9ft / 1.2m cable)
- Supports privacy & regulatory compliance initiatives
- 2-year limited warranty

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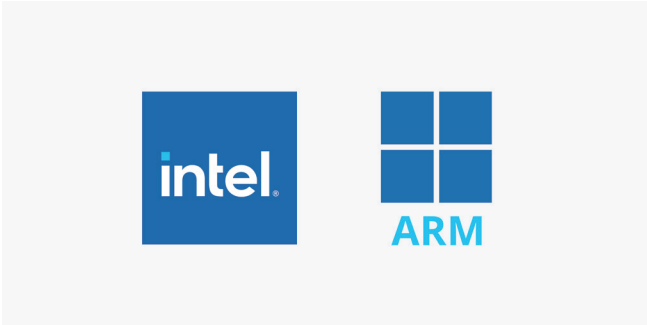
SDCP & ESS Certified Security

Complies with Microsoft's Secure Device Connection Protocol (SDCP) and Windows Hello Enhanced Sign in Security (ESS)*, providing hardened protection for fingerprint authentication and isolating biometric data from system level threats.



Copilot PC+ Recall Ready

Meets Microsoft's Copilot PC+ Recall requirements and supports Windows Hello with ESS compliant authentication, ensuring compatibility with current and emerging Windows enterprise security features.



Compatible with Windows on Intel and ARM

Supports Windows on Intel (x86) and ARM architectures, enabling reliable biometric authentication across the vast majority of desktop PCs as well as newer ARM based Windows devices, without compromising Windows Hello fingerprint login functionality.



Reliable Fingerprint Recognition

Delivers consistent, accurate fingerprint recognition in everyday desktop use, supporting dependable Windows Hello authentication across common finger conditions. A 360° sensor ensures reliable reads from any angle.

*Windows Hello Enhanced Sign in Security requires a PC running Windows 11 with the latest updates.

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Microsoft 365

Seamless Windows Hello Integration

Provides password free login through native Windows Hello integration, enabling fast fingerprint access to Windows accounts and single sign on to Microsoft 365 services—including Entra ID, OneDrive, and Outlook—without additional software.

Match-in-Sensor™ Technology

Uses Match in Sensor™ fingerprint technology to process and store biometric data entirely within the device, keeping credentials isolated from the host system while delivering high precision accuracy, with a low False Rejection Rate (FRR) of 2.2% and a False Acceptance Rate (FAR) of 0.0001%.



Wired Connectivity with USB-C® and USB-A Support

Designed for desktop use, the wired USB connection ensures consistent, dependable authentication without battery or wireless concerns. A 3.9ft (1.2m) cable allows practical desk level sensor placement even when the PC is under a desk, while support for both USB-C® and USB-A ensures compatibility with modern and legacy systems.



Supports Privacy and Regulatory Compliance

Designed to support cybersecurity measures consistent with (but not limited to) such privacy laws and regulations as GDPR, BIPA, and CCPA. Ready for use in U.S. Federal Government institutions and organisations.

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Technical Specifications

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System Requirements

Operating Systems Supported	Windows 11
Plug & Play	Yes; no drivers needed

Interface

Connector	USB-C® or USB-A
Type of USB Connector	USB 2.0/3.0 compatible

Security

Secure IC	Realtek RTS 5816

Cryptographic Capabilities

Public Key Cryptography	RSA (2048/3072/4096) / ECC(256/384)
Symmetric Encryption	AES256
Integrity & Hashing	SHA (256/384/512) / HMAC
Entropy/Randomness	TRNG

LED Indicators

White LED On	Request fingerprint for login
White LED Blinking (1x)	Recognise the correct fingerprint
White LED off	Standby mode
Red LED Blinking (3x)	Error/Incorrect fingerprint

Product Dimensions

Unit Weight	0.13lb (0.06kg)
Unit Dimensions	1.14 × 1.14 × 0.59in (29 × 29 × 15mm)
Enclosure Color & Material	Zinc Alloy

Packaging Dimensions

Packaging Style	FSC® certified brown box
Packaging Dimensions	Unit 5.10 × 4.70 × 1.57in (123 × 110 × 40mm) Master Carton 8.7 x 5.74 x 5.51in (221 x 146 x 140mm)
Packaging Weight	Unit: 0.29lb (0.13kg) Master Carton: 1.36lbs (0.62kg)
Master Carton	5pcs
Packaging Content	1 × VeriMark™ Desktop 2.0 Fingerprint Key 1 × Welcome Insert 1 × Warranty Insert 1 × RoHS Sheet

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Technical Specifications

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Power & Environmental

Power Imaging	100mA @ 5V
Power Standby	1mA @ 5V
Operating Temperature	32 to 140°F (10 to 60°C)
Storage Temperature	-4 to 185°F (-20 to 70°C)

Country of Origin, Regulatory, and Warranty

Country of Origin	Taiwan
Certifications & Compliance	REACH, RoHS, FCC, CE, WEEE, Windows Hello, WHQL
Warranty	2-Year Limited

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FOR MORE INFORMATION CONTACT: 1-300-278-546 | ANZSales@kensington.com

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