

HID® Guardian™ 45 Dual Finger Scanner

Appendix F certified, affordable two fingerprint (FAP 45) optical scanner

COMPACT, RELIABLE, FBI CERTIFIED

The HID Guardian 45 is a forensic quality, dual finger capture scanner that delivers fast, accurate and reliable results for enrollment and verification programs – at an affordable price.

INTUITIVE, VISUAL INSTRUCTIONS

Subjects are guided by easy-to-understand illuminated pictograms for attended or semi-attended processing. Guardian 45 even offers 10-finger pictograms that allow a subject to know which finger or which two fingers should be presented. Since many subjects are often being printed for the first time, this advanced guidance can ease the process and lower confusion.

FAST, EFFICIENT QUALITY CAPTURE

The Guardian 45 quickly captures images regardless of skin pigmentation – and captures from wet/moist or dry fingers without the need to pretreat hands. This wide range of dry and oily or moist (with standard Moisture Discrimination Optics feature) finger capture removes time-consuming preconditioning of the subject's hands, speeding the capture process.

EXCELLENT DRY FINGER IMAGES

An optional silicone membrane ensures fingerprint images always achieve the highest quality for subjects who have dry skin. This HID technology helps fingers make better contact with the fingerprint platen, which allows the sensor to achieve better contrast between ridges and valleys.

SUPERIOR CUSTOMER EXPERIENCE

Ergonomically designed for end user comfort and leveraging HID's image capture tools, the Guardian 45 scanner results in quality images collected quickly and comfortably – the first time. Using the HID L Scan Essentials SDK, developers can easily integrate fingerprint capture into their own applications without needing to be a biometric expert.

PORTABILITY & SECURITY

The Guardian 45 dual fingerprint scanner is compact and mobile, occupying minimal space with the flexibility to fit in a constrained environment. An optional mounting bracket can securely attach the device to a desk, counter or HID Cabinet.

HID BIOMETRIC EXPERTISE ADVANTAGE

Ideally suited for banking and commercial services, legal and court systems, border and port security, and civil government applications, the Guardian 45 scanner is a logical solution for dual fingerprint small to large-scale programs. Featuring the trusted, high-quality image capture functionality that HID print scanners are recognized for, the Guardian 45 delivers portability, reliability and a reduced total cost of ownership.



FEATURES:

- Certified for Appendix F (FAP 45)
- Dual or single flat fingerprints, single rolled fingerprint capture
- Moisture discrimination optics for wet finger capture
- Silicone membrane option for dry finger capture
- Illuminated pictograms for superior user guidance
- Presentation Attack Detection (PAD)

USE CASES:

- Background checks
- Financial transactions
- Legal & Court identification
- Border control
- Driver's license programs
- National ID
- Voter registration & Elections

HID Guardian 45



OPTIONAL COMPONENTS:

- Silicone membrane
- Cleaning kit
- Mounting bracket

Product Name	HID Guardian 45 Dual Finger Scanner
Part Numbers	Guardian 45 With Membrane: 920205-01 Guardian 45 Without Membrane: 920205-00
On-device Display	Pictogram Display Panel - LED
Image Resolution	500 ppi
Image Greyscale	8-bit, 256 gray levels
Dimensions	2.83 x 4.40 x 2.40 inches 71.9 x 111.8 x 61 mm
Capture Platen	1.6 x 1.5 inches 40.6 x 38.1 mm
Frame Rate	15 FPS
Weight	350 g (0.77 lbs)
Storage Temperature Range	-4° F to 140° F -20° C to 60° C
Operating Temperature Range	-4° F to 122° F -20° to 50°C
Humidity Range	10-90% non-condensing
Power Supply	USB bus powered device < 350mA (working state) < 180mA (idle)
Interface	USB 2.0 high speed
Device Connector	USB-C
Operating Systems	Windows 10 and 11, 32 and 64-bit
Ingress Protection Rating	IP54 (entire device) IP64 (platen to top cover)
Certifications and Declarations	Appendix F, UL, FCC, CE, RoHS, REACH, NOM, UKCA, California Proposition 65
BIOMETRIC CAPTURE	
Fingerprint	• Dual or Single flat fingerprints, Single rolled fingerprints • FAP 45
Capture Features	• Auto Capture fingerprints for speed and efficiency • For one, two, or 10 finger enrollment and verification • Wet/dry finger image capture without pretreatment of hands or device recalibration
Image Quality	Appendix F, Livescan and ID Flats (with or without silicone membrane)
Security	Presentation Attack Detection (requires LSE 8.2.1 or later)
APPLICATIONS	
Software	HID BioCore Middleware 5.3 or later (optional)
SDK (included)	HID L Scan Essentials SDK 8.2 or later
SDK Features	• Image quality check • Flexible positioning • Noise elimination • Roll direction detection

Data subject to change without notice.



hidglobal.com

North America: +1 512 776 9000 | Toll Free: 1 800 237 7769

Europe, Middle East, Africa: +44 1440 714 850

Asia Pacific: +852 3160 9800 | Latin America: +52 (55) 9171-1108

For more global phone numbers click here

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