

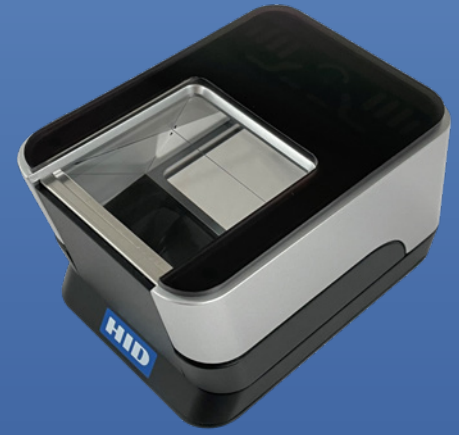
HID Guardian™ 45

HID Global continues to set the global standard for reliable, high-quality fingerprint capture.

The HID Guardian™ 45 is a forensic-quality, two fingerprint capture device. The scanner delivers fast, accurate and reliable results for identification, verification and enrollment programs.

Subjects are guided by easy-to-understand illuminated pictograms for attended or semi-attended processing. The Guardian 45 captures images regardless of skin pigmentation and captures from both wet or dry fingers without the need to pretreat hands.

Ideally suited for banking, border and port security, finance, health care, law enforcement, court systems and correctional facilities, the Guardian 45 delivers enhanced security, proven reliability and a reduced total cost of ownership.



KEY BENEFITS:

- **Superior wet and dry print capture** – a subject's prints can be captured easier without having to condition their fingers
- **Intuitive instructions via illuminated pictograms** – subjects are often being printed for the first time, so advanced guidance can ease the process
- **Rapid auto capture** – allows for quality and efficiency for the operators
- **Easy SDK integration** – the Guardian 45 uses the same SDK (L SCAN Essentials) as the Guardian 200 and L SCAN palm scanners and includes all the same key features

PRELIMINARY

DATASHEET



HID Guardian 45



FEATURES:

- Moisture discrimination optics for wet finger capture
- Optional silicone membrane for dry finger capture
- Illuminated pictograms for superior user guidance
- Auto-capture
- USB powered
- Spoof detection (to be added in 2022 via SDK update)

	On Initial Release	Added on subsequent release (H1 of 2022)
On-device Display	Pictogram Display Panel - LED	
Image Resolution	500 ppi	
Image Greyscale	8bits, 256 gray levels	
Dimensions	2.8 x 4.4 x 2.4 inches 72 x 111.5 x 59.5 mm	
Capture Platen	1.6 x 1.5 inches 40.6 x 38.1 mm	
Image format	RAW	
Frame rate	12 FPS	
Weight	350g	
Storage Temperatures	-40°F ~ 176°F / -40°C ~ +80°C	
Operating Temperatures	14° to 131°F -10° to 55°C	
Humidity Range	10-90% non-condensing	
Power Supply	USB bus powered device • 300-350 mA (working state) • < 2.5 mA (suspend) • < 120 mA (idle)	
Ingress Protection Rating	IP 54 (entire device) IP 64 (platen to top cover) - TBD	
Interface	USB 2.0 high-speed	
Operating Systems	Windows 10 32 and 64-bit	Android 10+
Certifications	Appendix F, PIV, UL, CE, FCC, RoHS	
Device Interface	Connector Type - USB-C	
Device Security	Tamper protection through hardware	Secure-boot through software
Mean Time Between Failure (MTBF)	45,000 hours	
BIOMETRIC CAPTURE		
Fingerprint	Flats and Rolls (FAP 45)	
Capture Features	• Auto-Capture • FlexFlats & FlexRolls • 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)	
Optional Comments	Silicone Membrane, Mounting Bracket	Presentation Attack Detection (Spoof)
Encryption		AES-256
APPLICATIONS		
Software	HID BioCore Middleware (optional)	
SDK	HID L SCAN Essentials SDK 8.2 or later	



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PRELIMINARY