HID®

HID NOMAD™ 30 Module

FEATURES

- FBI Certified
- Highly Durable
- Ideal for indoor and outdoor use
- Unaffected by tattoos or ink marks
- USB and Camera Parallel Interface
- Lowest profile available at 7.5mm thick

CAPACITIVE THIN FILM TRANSISTOR (TFT) TECHNOLOGY

The HID NOMAD line of capacitive thin film transistor-based fingerprint modules is designed with today's highly mobile applications in mind. With astonishingly thin profiles and a compact footprint, NOMAD modules offer OEM integrators flexibility not achievable with traditional prism-based or optical-based TFT configurations.

All NOMAD modules provide durability and capture reliability that are hallmarks of HID's biometric hardware. Capture surfaces have been tested for one million touches—and are highly scratch resistant.

Because NOMAD modules do not rely on the illumination of the finger to capture a fingerprint reflection, they are impervious to light—making them ideal for indoor and outdoor use, even in direct sunlight. Utilizing capacitance to measure the fingerprint surface also makes NOMAD modules indifferent to marks on the surface of the finger, such as ink marks, henna or tattoos. As a result, they do not require cleaning of a subject's hands to remove temporary marks and are more effective in a broader range of use cases.

The NOMAD 30 Module is a FBI PIV certified single finger capture module. Its small footprint enables incorporation into a wide range of mobile and portable hardware for a broad range of identity verification use cases, such as in point-of-sale terminals in retail stores and restaurants. Integration is easy, utilizing existing APIs documented in the HID U.are.U® SDK for the FAP 30 module. This approach enables the seamless support of existing HID's optical and silicon devices with the NOMAD TFT-based product line swiftly and without additional development efforts.

Typical application of the NOMAD 30 Module includes space restricted or thin profile commercial hardware requiring a PIV FAP 30 certified sensor for authentication. Use cases range from mobile financial services customer and transaction authentication to secure logical and physical access control to rapid mobile identity verification.

SPECIFICATIONS

Product Name	**HID NOMAD™ 30 Module**
OS Support	Windows® 7+, Android™ 4+, Linux
Ingress Protection	IP65 sensor and bezel (Requires addition of external gasket from module to system)
Environmental	Operating temp: – 10° to 50°C Storage temp: – 20° to 60° C Humidity: 10% to 90% non-condensing
Certifications	FCC, RoHS, USB IF, WHQL
Interface	USB 2.0 and camera parallel interfaces
Fingerprint Image	8-bit grayscale
Image Quality	PIV 071006 (FAP 30)
Frame Speed	12 frames per second
Resolution	400 x 500 pixels (500 ppi)
Sensing Area	20.32mm x 25.4mm (0.8 x 1 inch)
Power Voltage Supply	3.2V to 5.5V
Idle State Current	110mA TYP
Current (During Capture)	260mA TYP
FBI IQS	PIV, FAP 30
Overall Dimensions	38.10mm x 43.08mm x 7.50mm (1.50in x 1.70in x 0.30in)
Weight	17g (0.6 oz)

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