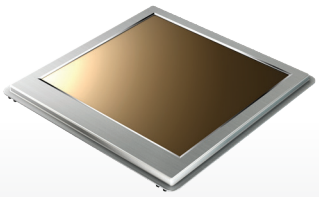
CROSSMATCH®

The world identifies with us.℠

NOMAD™ 60 Module

Capacitive Thin Film Transistor (TFT) Technology



FEATURES

- FBI Certified
- Highly Durable
- Only FAP 60 module on the market

PRODUCT DESCRIPTION

The 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 Crossmatch 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 60 Module is an FBI Appendix F certified tenprint livescan capture module. Its thin format enables incorporation into a range of mobile, portable and stationary hardware for a broad range of identity enrollment and verification use cases. Integration is easy, utilizing existing BioBase APIs and the TFT Essentials SDK. This approach enables the seamless support of existing Crossmatch optical and silicon devices with the Nomad TFT-based product line swiftly and without additional development efforts.

Typical application of the Nomad 60 Module includes space restricted or thin profile public safety and defense hardware requiring an FBI Appendix F and Mobile FAP 60 certified sensor. Supported uses cases range from criminal history record checks and criminal booking to civil identity enrollment and authentication such as border screening and national ID processing.

NOMAD 60 Module

Specification

NOMAD Module Specification	
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 50C Storage temp: – 20 to 60C Humidity: 10% to 90% non-condensing
Certifications	UL Recognized, RoHS, WHQL

Nomad 60 Module	
Interface	USB 2.0
Fingerprint Image	8-bit grayscale
Frame Speed	8 frames per second (flats) 16 frames per second (rolls)
Resolution	1600 x 1500 pixels (500 ppi)
Sensing Area	81.28mm x 76.2mm (3.2 x 3.0 inch)
Power Supply Voltage	4.75 to 5.25V
Idle State Current	175mA TYP
Current (during capture)	900mA TYP
FBI IQS	Appendix F Specifications
Overall Dimensions	100.2mm x 99.2mm x 8.50mm
Weight	105g

IMAGE QUALITY SPECIFICATION

- Appendix F

ABOUT CROSSMATCH

Crossmatch® solutions solve security and identity management challenges for hundreds of millions of users around the world. Our proven DigitalPersona® authentication software is designed to provide the optimal set of authentication factors to meet today's unique risk requirements and afford complete enterprise authentication coverage. Crossmatch identity management solutions include trusted biometric identity management hardware and software that deliver the highest quality and performance required for critical applications. Our solutions support the financial, retail, commercial, government, law enforcement and military markets. With 300 employees and customers in more than 80 countries, Crossmatch sets the standard for innovation and reliability. Learn more: Crossmatch.com

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