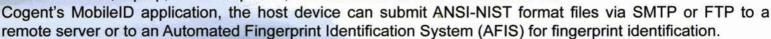# COGENT
a 3M Company

3M

BlueCheck® II

Weighing less than 5 ounces, 3M Cogent's BlueCheck® II is the lightest, ruggedized mobile device in the industry. It is available in two models, the BlueCheck II with an FBI-certified 500 ppi optical sensor and the BlueCheck II U with a PIV-certified 500 ppi silicon sensor. Features include a durable color LCD display, Bluetooth communication, and 3M Cogent's proven technology for encryption and image compression. BlueCheck II is FBI Mobile ID SAP (Subject Acquisition Profile) Level 10 compliant according to NIST Mobile ID Best Practices Guidelines, and meets Ingress Protection (IP) Level 54.

Designed for single-handed operation, BlueCheck II enables users to perform two types of searches: they can capture and search against fingerprint templates stored on the device, or they can securely transfer captured fingerprints to a host, such as a PDA, laptop, or smart phone, via Bluetooth or USB connection. With Cogent's MobileID application, the host device can submit ANSI-NIST format files via SMTP or FTP to a remote server or to an Automated Fingerprint Identification System (AFIS) for fingerprint identification.

The Power of an AFIS in a Portable Solution

3M Cogent's **MobileID** software delivers the power of an Automated Fingerprint Identification System in a portable, handheld format. The MobileID application runs on a commercially-available smartphone or BlackBerry®, leveraging existing equipment. When combined with any one of 3M Cogent's BlueCheck II capture devices, MobileID allows users to quickly and easily perform in-the-field fingerprint identification.

3M Cogent's **Web ID** provides a rapid, practical, and secure method of comparing live fingerprints to a database of stored prints for positive identification of an individual. Web ID is a 100% web-based solution, no dedicated software is needed. Search transactions are submitted via a secure web page using a standard web browser.

MobileID Solution Workflow

Next Generation Mobile Identification

Beyond Comparison™

BlueCheck II
Technical Specifications

	BlueCheck® II	BlueCheck® II U
Fingerprint Scanner	Optical sensor	Silicon sensor
Resolution	500 ppi	500 ppi
Memory	Internal 128 MB DDR SDRAM Optional 8 GB MicroSD Card	Internal 128 MB DDR SDRAM Optional 8 GB MicroSD Card
WSQ Compression Ratio	9:1 standard, up to 15:1 configurable	9:1 standard, up to 15:1 configurable
Operating Temperature	14° to 122° F (-10° to 50° C)	32° to 122° F (0° to 50° C)
Relative Humidity	10 to 90%, non-condensing	10 to 90%, non-condensing
Dimensions	4.5 x 1.9 x 0.8 in. (114.6 x 47.2 x 21.1 mm)	4.5 x 1.9 x 0.8 in. (114.6 x 47.2 x 21.1 mm)
Weight	4.59 oz (0.13 kg)	4.94 oz (0.14 kg)
Display	1.7 in. color LCD	1.7 in. color LCD
Battery	Li-Ion 3.7V 1200mAh	Li-Ion 3.7V 900mAh
Encryption	FIPS 140-2 optional	FIPS 140-2 optional
I/O Interface	Bluetooth, USB 2.0 client	Bluetooth, USB 2.0 client
Certification	FCC, CE, RoHS, FIPS 201-PIV, FBI PIV-071006 SAP 10	FCC, CE, RoHS, FIPS 201-PIV, FBI PIV-071006 SAP 10
Ingress Protection (IP) Level	IP 54	IP 54

*Product specifications are subject to change without notice. Screen images are for illustration purposes only, screen images may vary according to customer application.

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