

# BlueCheck™



- > Bluetooth Communication
- > Ergonomic Design
- > WSQ Image Output
- > On-device Fingerprint Matching

BlueCheck is Cogent's latest portable Bluetooth fingerprint scanner for law enforcement personnel. BlueCheck is equipped with a small, durable LCD display for real-time feedback, a 500 dpi fingerprint scanner, and Cogent's SecurASIC technology for encryption and image compression. BlueCheck enables users to perform on-the-spot fingerprint acquisition and matching against the fingerprint templates stored on the device.

Using Bluetooth communication, BlueCheck can remotely transfer captured fingerprint data to a host, such as a PDA, laptop, or cellular phone. With Cogent's BlueCheck host 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. BlueCheck receives the search results from the host and displays the results on its LCD display, providing timely and accurate information for law enforcement personnel.

**Cost-Effective Mobile Identification**

Fingerprint Scanner	Silicon or Optical Scanner (500 dpi)
LCD Display	Graphical display area: 96 x 64 pixels
On-Device Identification	~ 1.5 seconds per 500 fingerprint templates
On-Device FRR	FRR @ medium threshold = 0.1 %
On-Device FAR	FAR @ medium threshold = 0.01%
Allowable Finger Rotation	+/- 15°
Template Size	784 bytes
Data Storage	Internal 2 MB Flash memory: up to 1,200 fingerprint templates Optional 8 MB Flash memory: up to 6,000 fingerprint templates
I/O Interface	Bluetooth, USB
WSQ Compression Ratio	15:1
Encryption Capability	3DES (optional)
Bluetooth Transfer Distance	Up to 30 ft. (10 m)
Power	Standard Battery Li-Ion 3.7V 900mAh
Operating Temperature	31 °F to 131 °F (0 °C to 55 °C)
Dimensions	4.45" x 1.69" x 0.87" (113mm x 43mm x 22mm)
Weight	~ 3 ounces
Host PDA Requirements	Microsoft® Pocket PC™ 2003 or Microsoft® Windows Mobile™ 2005 edition Bluetooth enabled Digital camera enabled for field booking (optional)