

LiveScan Specifications

There are two integrated systems certified by the Federal Bureau of Investigation (FBI) as having been tested and found to be in compliance with the FBI's Integrated Automated Fingerprint Identification System (IAFIS) Image Quality Specifications (IQS).

INTEGRATED SYSTEMS:

Integrated Biometric Technology (IBT):

--Model EFCS-2100 Fingerprinting System, meets (Appendix F) Specification 5/03

Lockheed Martin Information Systems (LMIS):

-- Model EFCS-2100 Fingerprinting System, meets (Appendix F) Specification 5/03

Please find GSA pricing for the above mentioned models, listed on pages 18 through 20 on the GSA 084 price list. Purchasers should consider all other associated costs, (i.e., system life-cycle maintenance, training)¹

Desktop EFCS (planned for US locations):

In addition to capturing LiveScan images, the Desktop EFCS can also scan fingerprint cards and electronically submit them for processing. This feature is useful for processing ten print ink submissions received from non-LiveScan locations, or for utilizing existing inventories of fingerprint card stock. Electronic submissions can also be printed on card stock at the Desktop EFCS if a hardcopy is desired.

Physical Description:

The Desktop EFCS is comprised of the following major components:

Desktop PC (includes monitor, keyboard, mouse),

All required software (including customized LiveScan processing application, image quality check s/w, sequence check s/w, custom interface s/w, security applications, operating system, drivers, and COTS s/w),

- Fingerprint LiveScan device (including all required consumables),
- Fingerprint card scanner,
- Civil fingerprint card printer (including fingerprint card stock),
- Hands-free barcode reader,
- Signature pad,
- Uninterruptible Power Supply (UPS), and
- Wheeled equipment stand.

¹ The Defense Security Service point of contact for LiveScan is Mr. Alan Mancinelli; (703) 647-8448, or Alan.Mancinelli.ctr@dss.mil.

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Security Features:

SSL encryption of messages, plus S/MIME encryption of stored data and messages (configurable).

Required User Agency Support:

- a. Initial IT support during installation to establish EFCS connectivity with server.
- b. Operator to process applicants (approx. four minutes per applicant, dependent upon the amount of manually entered text information).

Connectivity Requirement: 56 Kbps dial-up (minimum) or T1 connection.

Power Requirements: 120VAC, 60 Hz nominal.

Floor Space Requirements:

The Desktop EFCS comes in a wheeled stand, and is approximately 4 ft wide x 3 ft deep x 6 ft tall. In addition, sufficient space is required for an operator and applicant to comfortably stand in front of the equipment to perform the fingerprint capture.

Environmental Requirements: Standard office environment.

Portable EFCS (planned for US and international locations):

The Portable EFCS has the same functional capability supported in the desktop configuration except for the ability to scan or print fingerprint cards, although these capabilities are available as an option if desired.

Physical Description:

The Portable EFCS is comprised of the following major components:

- Laptop PC with mouse,
- All required software (including customized LiveScan processing application, image quality check s/w, sequence check s/w, custom interface s/w, security applications, operating system, drivers, and COTS s/w),
- Fingerprint LiveScan device (including all required consumables),
Hands-free barcode reader, and
Signature pad.

Security Features:

SSL encryption of messages, plus S/MIME encryption of stored data and messages (configurable).

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Required User Agency Support:

- a. Initial IT support during installation to establish EFCS connectivity with server.
- b. Operator required to process applicants (approx. four minutes per applicant, dependent upon the amount of manually entered text information).

Connectivity Requirements: 56 Kbps dial-up (minimum) or T1 connection.

Power Requirements: 100-240 VAC, 50-60 Hz.

Floor Space Requirements:

The Portable EFCS requires a work surface to support the laptop PC, LiveScan device, barcode reader, and signature pad (minimum are of 3 ft wide x 1.5 ft deep). In addition, sufficient space is required for an operator and applicant to comfortably stand in front of the equipment to perform the fingerprint capture.

Environmental Requirements: Standard office environment.