SmartSource® Expert

SmartSource Expert

Continuing the Burroughs tradition of over 100 years of innovation and excellence based on an in-depth knowledge of the financial industry, the newest SmartSource Expert is a perfect fit in any networked "thin client" environment due to its Ethernet interface and onboard intelligence.

Improved Efficiency

The new open feeder reduces document preparation requirements and enables easy loading of documents by automatically opening the input hopper when empty. The SmartSource Expert can be configured to start feeding automatically when documents are loaded into the feeder. In case of a document jam, the SmartClear button eliminates the need to open or remove covers to retrieve the document.

Reduced Maintenance Requirements

The SmartSource Expert is engineered to process high volumes of daily items, yet it requires minimal maintenance. Often, all that is required is a rapid cleaning procedure which uses a cleaning card and does not require opening or removing any covers. The optional ink-jet endorser uses a custom ink formulation which eliminates the need for operators to clean the cartridge. The result is more time for the operator to be productive servicing their clients, and less time spent on periodic maintenance and consumable replacement.

Standard Features

The SmartSource Expert uses onboard intelligence to perform Magnetic Ink Character Recognition (MICR) and Optical Character Recognition (OCR) read, 300 dpi image capture and compression,

image quality decisions, franking, and endorsement all in real-time at up to 120 documents per minute. Pocket decisions can be made based on MICR and/or front image content such as OCR, barcode recognition, or image quality results.

Internal processing serves to reduce network traffic. A digital signature is applied at time of capture within the device, eliminating image security risks.

48 MB of internal memory serves as storage for up to 1000 document images making it possible for document processing operations to continue during periods when the network is interrupted or data transfer rates are reduced due to increased network traffic.

The SmartSource Expert device offers a backlit LCD display to communicate operational status and/or exception conditions directly to the operator. The SmartSource Expert also includes the capability to scan a variety of documents, such as ATM envelopes and very short pieces of paper (less than three inches [7.6 cm] in length).

Optional Features

The SmartSource Expert is available in 30, 55, 80, or 120 documents per minute styles with one or two pockets. Available options include OCR, barcode recognition, color imaging, a high resolution 4-line rear ink-jet endorser, and a front franker stamp. Many features can be upgraded at your location (on-line) as business requirements expand.

The 4-line rear ink-jet endorser supports any Microsoft true-type font and eliminates the need for a separate receipt/validation printer. In addition to endorsing customer-deposited checks, it is capable of validating internal cash tickets and an array of teller documents.

To order or for more information:
    Tel: 1-800-666-2980
    E-mail: Sales@UniLinkinc.com
    Web: www.unilinkinc.com

New look
The SmartSource Expert now has a new look! Black covers match existing teller equipment and stays looking sharp for years.

1 - Intelligent Feeder
Perhaps the most exciting new feature is that the feeder now automatically opens, enabling one-handed loading and reducing document skew. The feeder will close to start feeding and re-open when the feeder is empty.

2 - Integrated Pocket Extender and Check Limit
There is no assembly required with the new integrated pocket extender and check limit. The pocket extender and check limit cannot be removed or misaligned by mistake reducing document skew and pocket jams. This integrated extender is also much more durable than the snap-on parts on competitive models, resulting in less down time.

3 - Maintenance-free Pocket Paddle
The operator-replaceable pocket flexures have been replaced by a maintenance-free paddle that will last the life of the product.

4 - Maintenance-free Ink Felt Pad (Ink Catcher)
The new SmartSource Expert now includes a high-capacity sealed ink pad that has been designed to last the life of the product in front counter applications. The new ink felt pad is designed to last over 3,000,000 items with single-line endorsement. The sealed ink pad is integrated into the removable rear camera wall which can be replaced as needed to extend the life of the scanner.

5 - New Ink Cartridge Housing
The new SmartSource Expert includes a latching ink cartridge housing which has been designed for ease of use and is similar to ink cartridge housings typically found in consumer-based ink-jet printers. The ink cartridge cannot be installed incorrectly with this new latching housing, taking the guess-work out of installing ink cartridges.

6 - Feeder Capacity
The new SmartSource Expert comes standard with a 100-item capacity.

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Burroughs
Payment Systems

SmartSource Expert Technical Information

Document Processing Throughput	**Dimensions**
Document throughput of 30, 55, 80 or 120 documents per minute (dpm)	Length: 10.5 in (26.7 cm) Depth: 5.99 in (16.0 cm) Height: 7.0 in (17.8 cm)

Power Requirements	**Document Hopper**
100-240 VAC @ 50/60 Hz	Up to 100 item hopper capacity

Weight	**Document Feeder**
Installed weight: 6.5 lbs. (3.0 kg) Power supply: 0.75 lbs. (0.34 kg)	Automatic document feeder Double document detection

Certifications	**Magnetic Ink Character Recognition (MICR)**
CE, UL/TUV, CSA, RoHS, VCCI, FCC Class A	E13B and CMC7 read with auto-detect

Document Sizes	**Image Capture**

Document size
- Height (min./max.): 2.00 to 4.25 inches (5.08 to 10.80 cm)
- Length (min./max.): 2.90 to 9.25 inches (7.37 to 23.5 cm)
 	
Document weight
- Paper weight, nominal: 20 to 24 lb
   - 20 lb. long grain (75 gr/m^2)
   - 24 lb. short or long grain (90 gr/m^2)
 	
Document Height-to-Length ratio
   - Minimum aspect ratio: 1.50
	Front and rear image capture at 300 dots per inch (dpi)
	Two (2) color images or a combination of up to five (5) bi-tonal and gray scale images
	
	Image renditions available
	- Bi-tonal (black/white)
	- Gray level (256 gray shades)
	- Color (24-bit, RGB) – Device Suite only
	
	Image resolutions available
	- 300 dpi, color only (reduced throughput) – Device Suite only
	- 240, 200 dpi, gray level or bi-tonal
	- 120, 100 dpi, gray level

Communication Interface	**Image Compression Standards**
Ethernet 10/100 Base-T USB 2.0 high-speed	CCITT Group 4 (bi-tonal images) JPEG Baseline (gray level images) Uncompressed 24-bit, RGB pixel data (color images) – Device Suite only

Operating Systems	**Optical Character Recognition (OCR)**
Windows XP Professional 32-bit Windows VISTA Business 32 and 64-bit Windows 7 Professional 32 and 64-bit Linux (Ubuntu 9.04, 32-bit, Ubuntu 9.10, 32-bit, Fedora 12, 32-bit) On-Board: Windows CE	OCR-A, OCR-B and E13B fonts supported Two (2) 0.50 inch OCR scan bands provided 96 characters per scan band MICR/OCR combine read

Operator Interface	**Endorsement**
Power switch Combined Feeder Start/Stop and SmartClear Button Light Emitting Diode (LED) - Three (3) LED status lights Liquid Crystal Display (LCD) - Backlit LCD display - Two (2) line display, eight (8) characters per line	Front Franker - Franking roller with fixed message - Franking actuation, controlled programmatically Rear Endorser - Ink jet print cartridge (600 dpi) - One (1) to four (4) line endorsement, any True Type font - Two (2) vertical endorsement locations, manually selected by operator allows eight (8) single-line vertical endorsement locations - Graphics capable for logos and signatures - Three (3) levels of print quality (economy, standard, or premium) - Programmatically controllable based on MICR and/or OCR read

Application Programming Interfaces (API)	**Output Pockets**
CAPI (Common Application Programming Interface) Device Suite Professional Embedded version DLL (Dynamic Link Library) API	Single or dual pocket configuration available 100 item pocket capacity per pocket Pocket selection under application control, based on MICR, OCR, and/or Image Quality results