Bottomline Technologies®

Logical Ink®

Your Mobile "e-Paper" Solution for Both Business and Clinical Documentation

Key Benefits

- **Eliminate traditional, pre-printed forms** in favor of "electronic paper" that captures both structured information and unstructured annotations, including handwritten notes

- **Reduce errors** from illegible handwriting, redundant data entry and manual scanning

- **Provide off-line access** to decrease dependence on active network connectivity and system up-time

- **Save staff time and other processing costs** by ensuring that information is complete and validated at the point of care

- **Embrace mobility** so caregivers can stay bedside – a factor critical to quality patient care and improved safety controls

- **Deliver captured information** via integration to any HIS, EHR, ECM or other clinical database across the organization

If your healthcare organization is using paper forms today, you are facing a number of challenges. Redundant data entry and scanning forms into an EHR is inefficient, costly and error-prone. Information that is captured on paper cannot be validated until it is transcribed into a software application or database. The amount of forms alone means it may take days or weeks to transform your data into a digital format acceptable for reporting and analysis.

Logical Ink is an innovative, mobile e-Paper solution that makes the collection and presentation of demographic, clinical and business data fast and easy for patients, caregivers and staff. Our solution is the only intelligent, truly paperless solution that is mobile, secure and integrated to your healthcare environment. Delivered via mobile tablets with a pen-based interface, Logical Ink uses interactive forms that support digital ink and highlight required data. With active validation at the point of care, as well as color ink annotation for emphasis and discrete data entry, Logical Ink delivers a user experience that is as natural and unrestrictive as paper with all the benefits of a digital chart.

With Logical Ink, your organization will reap the benefits of mobile documentation immediately: instant authentication of data, anywhere accessibility to patient records, improved data accuracy, and the elimination of duplicate data entry or scanning. With enterprise-level security, a full audit trail and HIPAA/FDA compliance, Logical Ink is ideal for healthcare environments including acute care facilities, IDNs, ambulatory care centers, and critical access facilities.

HL7 INTERNATIONAL® MEMBER 2012
ANSI Accredited Standards Developer
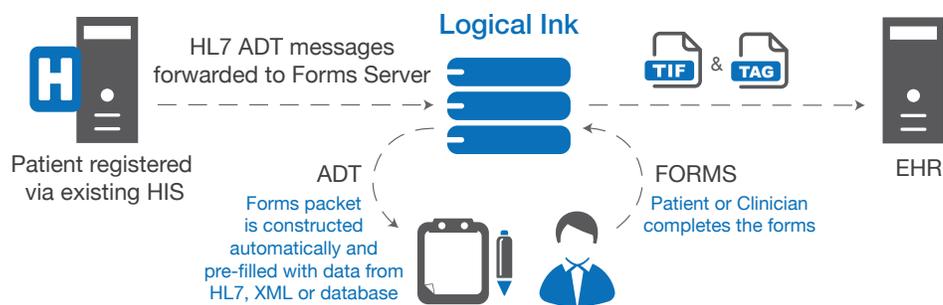
HiMSS Gold CORPORATE Member

How Does It Work?

We begin by designing electronic templates of your paper forms – essentially converting your documents into mobile applications – organized by your unique document sets. Our Logical Connect™ module accepts demographics and vitals from your HIS or other clinical systems to pre-fill the documents and drive user workflow consistent with your business rules. Your clinicians and patients simply complete the chart via the tablet's stylus. In addition to standard form fields, Logical Ink captures unstructured data such as annotations on diagrams, biometric signatures, and marginal notes as digital ink. We also capture discrete data via handwriting recognition, voice dictation and standard keyboard entry. Completed documentation is validated for completeness at the point of care and digitally signed. The Logical Ink Server's Document Portal then delivers your document images and all discrete data to your clinical repository, document management, or enterprise content management (ECM) system.

Keep the pen.
Not the paper.

A Quality Mobile Healthcare Documentation Solution

H — Patient registered via existing HIS

HL7 ADT messages forwarded to Forms Server

Logical Ink

TIF & TAG

EHR

ADT
Forms packet is constructed automatically and pre-filled with data from HL7, XML or database
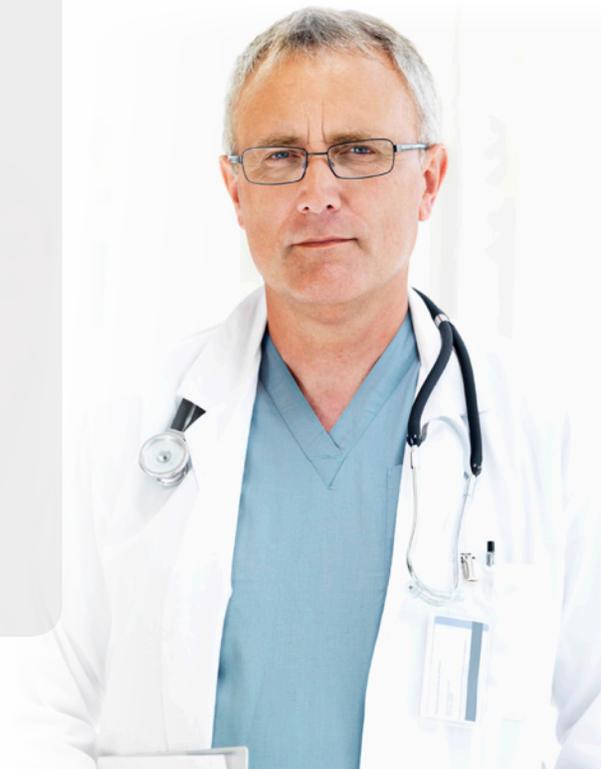
FORMS
Patient or Clinician completes the forms

Logical Ink® is a mobile documentation solution that utilizes digital ink, an interactive forms platform, and powerful validation rules to capture critical data – both business and clinical – and deliver it to a diverse range of information systems via standard interfaces.

Customer Success

Logical Ink Helps Alamance Regional Increase Process Efficiencies at Registration

North Carolina-based Alamance Regional Medical Center (ARMC) wanted to go paperless in patient access. The hospital required a solution that would not only reduce the staff time previously spent on manual paperhandling, but also help to reduce errors caused by missing consents. (ARMC estimated that as much as 5% of signed consents failed to make it back into their EMR due to misplaced paper documents.)

With the help of Logical Ink, ARMC successfully converted its consent forms into electronic templates presented via mobile tablets. The solution ensures that all required information is accurately captured and complete before the patient leaves registration, dramatically reducing the failure rate. By removing paper and eliminating the need to manually scan and index required forms into the EMR, ARMC has also saved more than 600 hours of staff time, significantly improving the level and quality of care delivered.

Healthcare Solution Sets

Because Logical Ink provides a natural, intuitive interface without the need to change your existing workflow, it can be applied to a number of document-intensive departments and processes within a healthcare organization. These include:

- **Admissions and Informed Consents**
  Logical Ink's unique interface makes it a patient-friendly solution for Registration. Patients immediately know how to complete the form packet because they recognize the pen and paper interface and highlighted fields showing required data values.

- **Anesthesia Record**
  Allow your anesthesiologists to go paperless without changing their workflow. Clinicians can annotate freely, just as they do today, using Logical Ink's pen-based interface then automatically deliver the entire record to the HIS or other installed systems upon submission.

- **Radiology**
  From cancer staging to registration to questionnaires, give your radiology center a simple, yet highly engaging alternative to paper. Logical Ink's pen-based interface provides a natural way to annotate illustrations or captured images directly within the form template on the tablet.

- **Clinical Trials**
  Logical Ink was the first to offer a solution for electronic source documentation that embraces the tablet. With remote monitoring and a natural user interface, Logical Ink increases site satisfaction and adoption while preserving data integrity.
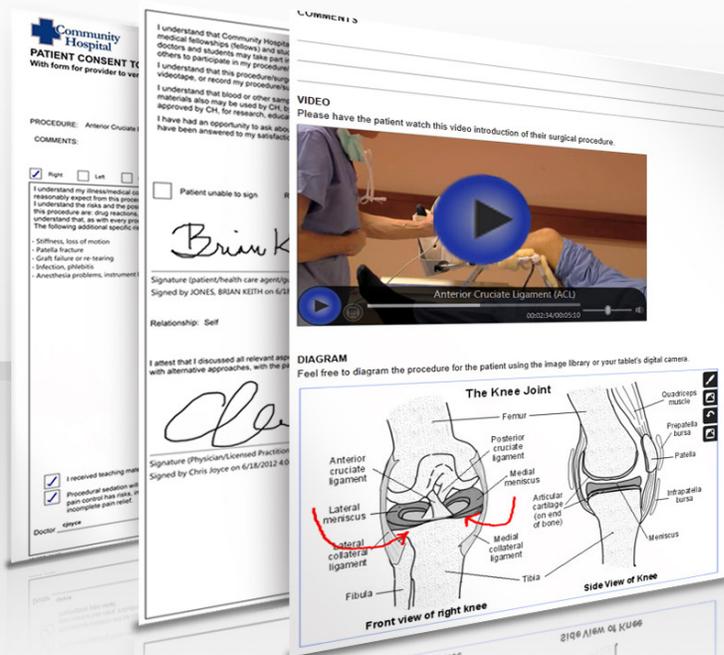
- **Home Health**
  Complete OASIS documentation, work off-line, reduce the burden on your staff, and submit electronically to your home health/document management system for faster reimbursements.

- **Patient Questionnaires and Education**
  Give your facility an interactive, patient-centric solution to capture questionnaire responses and deliver important educational content. With support for streaming video playback directly within the mobile form interface, patients are actively engaged with the tablet, making them more receptive to your message.

- **Progress Notes**
  Give your physicians and nursing staff an agile, intuitive documentation solution that keeps them bedside with the patient, gives them real-time access to vitals, orders and medications, and reduces your exposure for RAC audits while supporting your path to Meaningful Use.

Logical Ink preserves all the things your constituents love about paper with the dynamic content and flexibility of a mobile tablet, including the ability to embed instructional videos or images directly within the form.

Key Features

Easy Template Design for the Fastest Path to Paperless
Customize your document templates with our graphical design wizard, including "quickstart" designs from our forms catalog or import from Microsoft® Word.

Clinician and Patient-friendly, including Delivery of Pre-filled Forms
Pre-populate forms with real-time demographics and clinical data via standard integration to your core systems. Natural, e-paper interface looks and feels like your existing paper forms, making it simple and easy to use.

Real-Time Validation
Build powerful, custom business rules to reduce errors and ensure downstream data integrity.

Integrates into the Healthcare Enterprise
Enterprise-level integration with any HIS or ECM system through industry standards provides real-time demographics and vitals, as well as support for single sign-on to streamline access for authenticated users.

Embraces Demand for Mobile Devices and Electronic Signatures
Annotate in any ink color for emphasis or readability on any Windows tablet.

NEW! Off-line Mode for True Mobility
Deliver care and support business operations even when connectivity to a network or server is unavailable. In off-line mode, data is synced automatically to a secure local database so that documentation can be completed and uploaded to the server once a connection is reestablished. Even new patient data and forms can be originated from the tablet while off-line.

Secure and Compliant
Supports industry standards including HL7, CCOW and CCD and is compliant with HIPAA and 21 CFR Part 11 regulations.

Why Bottomline?

For more than 20 years, Bottomline has been focused on software applications that optimize document-driven processes. As a result, Bottomline possesses both the proven solutions and the tested domain expertise to deliver consistent customer value and significant return on investment.

A leader in payment, document and invoice automation, Bottomline's solutions have been successfully installed for more than 10,000 corporations, financial institutions and healthcare organizations around the globe.

System Requirements

For complete details on the hardware and software platforms required and/or supported by Logical Ink, please contact a Bottomline sales representative or email info@bottomline.com.

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"We had one mission in mind: to go paperless. Bottomline's solution gave us the ability to leverage 21st century technology and eliminate paper forms when (opening) our new cancer center."

–Peter Gimenez, Technical Support Manager, Griffin Hospital

Think *Green*
Think Bottomline

Bottomline Technologies®

Bottomline.com

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