Product Brief

Intel® Reader

The mobile device that reads print aloud

Product Overview

The Intel® Reader enhances independence for people with reading-based learning disabilities such as dyslexia, low vision, or blindness by providing convenient and flexible access to a variety of printed materials. The Intel Reader's unique design combines a high-resolution camera with the power of an Intel® Atom™ processor that converts printed text to digital text, then reads it aloud. With the Intel Reader, people can:

- **Gain more freedom** with the ability to read printed materials anytime, anywhere

- **Enjoy greater flexibility**, using the Intel Reader to access a wide variety of printed materials and to read and manage content in the ways that are most convenient for them

- **Gain independence**, privacy, and confidence by handling reading tasks for themselves, without having to wait for assistance

- **Increase productivity** and achieve more with fast, efficient access to the printed information they need at work or school and in their daily lives

Intel® Reader Features

The Intel® Reader gives people convenient and flexible access to a variety of printed materials. Its features include:

Easy-to-Use Design

The Intel® Reader is easy to use, even for those who are new to technology. Simply point, shoot, and listen to printed text such as schoolwork, printed work documents, magazines, mail, cookbooks, and more. Easy-to-locate buttons, audio and visual navigation, and straightforward menus make it easy to locate the functions users need.

Convenient Mobile Reading

Weighing just over a pound and about the size of a paperback book, the Intel Reader provides all the power of a bulky PC and scanner in a convenient size for work, school, home, or on the road. The Intel Reader fits easily in a purse or backpack and is ideal for reading on the go, with a sturdy magnesium case and generous battery life. Point-shoot-listen mode enables reading in a variety of locations, from work and school to shopping or travel, making it easy to read signs, product labels, concert programs, guidebooks, and other text on the go, and the earphones allow private listening, clearly and discretely, without disturbing others.

Convenient Bulk Capture for Large Documents

The Intel® Portable Capture Station is used with the Intel Reader to quickly and conveniently capture large amounts of text for school, work, or pleasure. The sturdy, portable stand enables complete, rapid text capture, holding the camera to help capture books, magazines, newspapers, and other documents. A transparent film holds books flat for easy capture,

and the large, easy-to-find capture button on the base helps users quickly capture lots of pages. The Intel Portable Capture Station folds up into a convenient briefcase size for use at home, work, or school. It is usually sold separately from the Intel Reader.

Content Management Features

The Intel Reader helps people organize and access their content efficiently so they can accomplish tasks faster. The library feature lets people bookmark favorite documents for fast access. Users can navigate within a document by word, sentence, or by page, and they can go to a specific page or jump to the beginning or the end. During playback, the text is highlighted as it is read aloud, and users can have the Intel Reader pause and spell out highlighted words.

Content and Playback Choices

The Intel Reader can store and play back a wide choice of content. The Intel Reader will play most content, including DAISY* books, and even text transferred from a personal computer, as well as MP3 and WAV music files. It can also generate audio versions of printed materials, such as MP3s, that can be played on most digital music players or computers. Users can play back content with lifelike voices, selecting gender, pitch, and speed to suit their personal preferences. A USB connection makes it easy to transfer files to or from a personal computer or USB drive.

Technical Specs

Intel® Reader

Processor	Intel® Atom™ processor
LCD Display	4.3" (10.9 cm) (16:9)
Camera	5 megapixel, auto focus
	Focus range of 4" (10 cm) to approx. 1.1 yd (1 m)
Data Storage[1]	4 GB Intel® Solid State Drive (SSD), approx. 2 GB for user data. Can hold up to 600 processed pages (images and text) with up to 20 pages waiting to be processed or up to 500,000 text-only pages.
Connectivity	USB 2.0 Type A; USB 2.0 Type Mini B; AC power; stereo audio jack
Audio Output	Integrated speakers and 1/8" (.35 mm) audio jack
Supported File Formats	DAISY* 2.02 (DAISY), NISO 2002 (z2002 or DAISY 3), NISO 2005 (z2005 or DAISY 3), NIMAS 1.0/1.1, MP3, WAV, ASCII text
Battery[2]	Rechargeable 6-cell lithium-ion; DC7.4V, 3300mAh. Charging time approximately150 minutes. With a fully charged battery, the Intel Reader can: • Play over 4 hours of text-to-speech or MP3 audio • Capture and process over 85 images of text • Remain in standby for up to 5 days
Carrying Case	Helps protect Intel Reader while allowing full camera, reading, and listening functionality. Includes shoulder strap.
Power Adapter	**Input:** 100-240V, 1.5A; **Output:** 12V, 5A, 1 lb. (.45 kg)
Dimensions	**Product:** 6.5" x 5.35" x 1.3" (16.5 cm x 13.6 cm x 3.3 cm) with battery **Packaged:** 11.5" x 7.6" x 6.5" (29.5 cm x 19.3 cm x 16.5 cm)
Weight	1.38 lbs (.63 kg) device with battery, 4.8 lbs (2.18 kg) packaged

[1.] Estimated. User results will vary based on actual content.

[2.] Battery operating time will vary depending on the type of content being captured or played, usage conditions such as screen and flash settings, as well as environmental factors such as temperature. As the battery ages, anticipate lower operating duration.

Intel® Portable Capture Station

Capture Area	12.5" x 18" (31.5 cm x 45.7 cm) to accommodate textbooks
Connectivity	USB 2.0 Type A; USB 2.0 Type Mini B; AC power (same as Intel Reader, power adapter included)
Page Holder Film	Transparent film to keep pages flat; replaceable spare available
Dimensions	**Product:** 16.4" x 11.9" x 4.25" (41.7 cm x 30.2 cm x 10.8 cm) (folded closed) **Packaged:** 20.6" x 15.6" x 7.2" (52.3 cm x 39.6 cm x 18.3 cm)
Weight	9.4 lbs (4.26 kg) device only, 11.4 lbs (5.2 kg) packaged

Speakers, Hold Switch, Power, Earphones, Capture, Play, Volume, Back, Navigation, Favorites, Voice Speed, Guide, Options, Zoom/View Controls

Home — Library, Recent Items, Shoot Mode, Settings, Help — Intel Reader

Flash, Camera, USB Connections, Power

The Intel Portable Capture Station folds up for portability or storage

Dock for Intel Reader
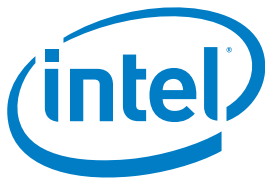
Transparent Hold-down Film

Capture Button

Intel Digital Health Group

The Intel Digital Health Group is passionate about how technology can improve healthcare worldwide. We are committed to developing unique products to connect people and information for a better healthcare experience. Informed by nearly a decade of ethnographic studies, we share a vision with healthcare leaders of using innovative technologies to transform healthcare, improve chronic disease management, and enhance wellness and independence.

The Intel Reader is currently available only with English language capability.

For more information on the Intel Reader, visit reader.intel.com.