

ORION

ONE DEVICE - COUNTLESS CAPABILITIES

check reader, imager & card solution

- Multiple Application Environments
- Multiple Merchants
- Credit and Debit Cards
- Loyalty and Gift Cards
- Internet Connectivity
- POP, ARC and RCK
- Remote Deposit Capture



Complete Functionality

The Orion all-in-one terminal is the ideal solution for reading checks, credit cards, debit cards, loyalty cards, and gift cards. 4Access has the speed, connectivity and software to provide your merchants with a complete suite of today's most popular and high-growth transaction services, including remote deposit capture. The unprecedented processing power and flexibility can handle tomorrow's most demanding new services as well.

More Revenue for the Merchant and ISO

Merchants are always looking for ways to keep existing customers and add new ones. A customized set of applications such as gift or loyalty cards and check acceptance are valuable marketing tools in the quest for revenue. Use Orion to give merchants the applications they need today and be confident that you can load additional applications when needed. Orion was designed to handle additional applications through an easy-to-use, fast and reliable configuration and download service. Sell more applications and cut your merchant attrition rate with Orion - more revenue today and tomorrow. Experience has shown that merchants who use multiple applications are much more likely to stay with the provider of these services than those who use only credit card services. Retain your hard-earned portfolio of merchants with Orion.

Integrated Reliability

A compact all-in-one device, Orion handles both card and check transactions in a solidly-constructed unit. The built-in check imager eliminates the peripheral check imager integration problems of combo configurations that are a frequent source of trouble calls. Orion has analog telephone and Ethernet (IP) ports for configuration flexibility and network reliability. If IP connectivity fails, then the Orion uses a dial connection to complete the transaction. Reliability also comes from a commitment to quality. For example, the unique 4Access Duo-Read™ recognition technology combines MICR with optical character recognition (OCR) in real-time, resulting in highly accurate check reads. Powerful on-board image processing software optimizes the quality of the check images. The resulting top-quality images minimize dispute and collection problems and work with the ANSI X9 standards for Check 21 Remote Deposit Capture. Following capture, Orion verifies that your images and data have been securely and completely transferred to the 4Access Archive and Retrieval system. This reliable transfer solves the lost image problems that are another source of trouble calls encountered with terminals that have peripheral check imagers.

Customer Satisfaction

Merchants appreciate the great Orion user interface, which has a large, easy-to-read screen for navigation. Just insert a card or check and the Auto-Launch feature pops up the appropriate application to complete the transaction. A drop-in paper roll keeps the checkout process moving, too. The friendly interface simplifies training and helps reduce help desk calls and costs. Give your merchants the solutions they need today and the flexibility for tomorrow with Orion.



ORION

Stand-alone, all-in-one check reader, imager & card solution



Features:

- Duo-Read™ simultaneous MICR and OCR check recognition for check read rates of better than 99.9%
- Real-time image quality monitoring and optimization for high quality 300dpi grayscale and B/W images
- Secure confirmed image upload via dial or Ethernet (IP)
- Programmable ink jet cancellation printer
- Graphics capable fast thermal printer
- Large high resolution display
- Ethernet (IP) and analog phone ports
- Robust multi-app software platform
- Up to 20 independent merchant configurations per terminal

Terminal Specifications:



Microprocessor	• Powerful 32-bit, 400 MHz Intel processor
Memory, Nonvolatile	• 256MB flash: standard
Memory, Volatile	• 32MB RAM
Imaging Capability	• 300dpi with two storage formats: - Black & White: CCITT Group IV TIFF encapsulated. Typical image size is 12k - Grayscale: JPEG. Typical image size is 37k
Image Storage	• Greater than 6,000 images in internal nonvolatile memory
Check Transport Speed	• 15 inches per second
Display	• Large high resolution graphical QVGA 320x240
Keypad	• 16 key industry standard layout
Character Recognition	• Unified magnetic and optical character recognition
Magnetic Card Reader	• 3-track: Standard
Integrated Receipt Printer	• Industry standard paper roll available at office supply stores • Drop-in paper loading • Graphic capable • Fast thermal printer
Integrated Check Cancellation Printer	• Fixed head ink jet printer • Programmable to print "void," "cancelled" or other text
Modem	• 56k v.90 for fast image uploads and software downloads • Fast Connect mode for authorization and verification transactions
Communication Ports	• Two industry standard RS-232 ports • Two RJ-11 ports for phone line connection • One 10BaseT Ethernet port • Two USB ports for interfacing standard PC peripherals
Power Supply	• 15 VDC; 115 VAC transformer
Operating System	• Embedded Linux operating system
Security	• Linux based user role restricted access across applications and data • Data encryption
Software	• Open source development tools • Remote download capability • Supports multiple, independently developed applications • Real-time image quality monitoring • Remote maintenance and component performance monitoring • Dial-up public Internet capability with encryption
Dimensions	• Height: 5.7 in, Width: 6.1 in, Depth: 12.7 in



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