

ORION

ONE DEVICE - COUNTLESS CAPABILITIES

check reader, imager & card solution

- Multiple Application Environments
- Loyalty, Gift and EBT Cards
- Credit and Debit Cards
- Internet Connectivity
- POP, ARC and RCK
- Check 21



Robust Functionality

Orion is a comprehensive, stand-alone solution for reading checks, credit cards, debit cards, loyalty cards, EBT cards and gift cards. Orion's unique recognition technology integrates MICR with optical character recognition (OCR) in real-time to produce the most accurate check read possible. The Orion's 300dpi resolution provides you with the highest quality check image available today.

Quick Application Development

Orion uses universally recognized software development tools and a Linux open operating system. It provides you with the simplest, fastest and most comprehensive application development environment available, resulting in shorter application development time. Orion supports multiple applications simultaneously, yet independently. This provides you with the flexibility to meet future needs quickly when they arise. Applications can be added to the Orion without the hassles of re-certification. Updates, as well as new applications, can be downloaded remotely. Unique peripheral devices such as drivers license bar code readers and biometric scanners can also be easily integrated with Orion.

Highest Quality

Advancements in today's payment networks allow large sums of money to be transferred and collected based solely on data and images captured by a terminal. Entrust this important process to a high quality, powerful device. With a 400MHz processor, 32 MB of RAM, a 300dpi image, dual MICR/OCR check reading, and onboard real-time image quality monitoring, Orion's powerful features provide you with the security of knowing your payment information is being accurately captured by the highest quality device on the market today. Following capture, Orion will confirm and verify that your images and data have been securely and completely transferred to the 4Access Archive and Retrieval system. These images are available anytime by logging on to a secure web site from virtually any PC. Along with the payment information, Orion can transmit performance data from its components. Through analysis of this data, 4Access monitors the ongoing health of your solution to assure the longevity and continuity of its quality.

Customer Satisfaction

Why not buy a product that will actually save you money as it functions? Orion's all-in-one solution lowers your customer servicing costs by reducing the amount of hardware you are required to support. Because it uses the Linux open operating system rather than a proprietary operating system, applications can be developed more quickly, reducing the amount of labor hours and development costs you incur. Best of all, Orion makes it easy for you to create an additional revenue stream by capitalizing on electronic check technology.



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



Features:

- Industry leading integrated MICR and OCR check recognition
- Greater than 99.9% check read rates
- Highest quality 300dpi grayscale and black & white images
- Highly secure image upload assurance and confirmation
- Programmable ink jet cancellation printer (optional)
- Magnetic card reader
- Graphics capable fast thermal printer
- High resolution touch screen display
- Real-time image quality monitoring
- Linux operating system
- Remote maintenance and performance monitoring
- Ethernet

Orion Terminal Specifications:



Microprocessor	• Powerful 32-bit, 400 MHz Intel processor
Memory, Nonvolatile	• 128 MB flash: standard
Memory, Volatile	• 32 MB 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 1,000 images in internal nonvolatile memory
Check Transport Speed	• 15 inches per second
Display	• Touch screen: high resolution graphical
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	• Optional 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 • USB port 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 • Web server on terminal for configuration and maintenance • 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