

OTI – On Track Innovations

TRIO



3-in-1 solution for unattended automated machines

TRIO reader is a modular payment device that can support up to three cashless payment interfaces in one small stylish enclosure. The reader is specifically designed for installation in vending machines to allow cashless payment with magnetic payment cards, as well as proximity, vicinity, and Contact EMV payment cards.

Features

- Accepts cashless payment methods
 - tap – contactless + NFC
 - chip – contact EMV
 - swipe – magnetic stripe
- Design to fit standard vending machine and comply with EVA mounting requirements
- Easy installation and maintenance
- EMV certified
- Designed for indoor and outdoor installations for attended and unattended environments
- ApplePay® and Android Pay® compatible

Specifications

EMV

- Contact EMV L1, L2
- Contactless EMV L1

VISA®

- VISA PayWave MSD V2.11
- VISA PayWave qVSDC V2.11
- NDOT over VISA for mass transit
- VISA Global Transit Payment Pilot Specification V1.2
- VISA Pilot Visa PayWave Ticketing Extension Specification
 - VISA Integrated Universal Data Storage V1.3
- VISA Asia Pacific WAVE 2

MasterCard®

- MasterCard PayPass M/Chip V3.0.2
- MasterCard PayPass Mag-Stripe V3.3
- NDOT over MasterCard for mass transit

Other Payment Specifications

- AMEX ExpressPay® V3.0.1
- Discover ZipNetwork® V2.13
- INTERAC Flash® V1.4
- ApplePay®
- Android Pay®

Mifare

- Mifare Ultralight
- Mifare Classic
- Mifare DESFire

Transparent (Pass-through) Communication

- ISO/IEC 14443 Type A - Transparent Proximity
- ISO/IEC 14443 Type B - Transparent Proximity
- ISO/IEC 15893 Vicinity (optional)
 - Transparent Vicinity

-Transparent Mifare

Other

- Magnetic Stripe Card – ISO/IEC 7811, 7813, Track 1 + Track 2
- Additional Proprietary application

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PAYMENT SPECIALISTS



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TeleBox



Telemetry Controller

TeleBox enables connectivity and communication between machines, especially designed for vending machines and self-service kiosks. With a wide variety of communication interfaces and a robust SDK, TeleBox is the ultimate M2M controller for enabling real time clearing of cashless payments, remote inventory control and maintenance information. In additions to compatibility with OTI’s UNO and TRIO payment readers, TeleBox also supports pulse machine and vending machine specific interfaces.

Features

- Compact
- Cost effective
- Highly Modular
- Variety of communication interface
- Rich SDK

Specifications

General

- Modular design by hardware and software
- OEM configuration available

Software

- Free RTOS included and integrated
- Configurable and upgradeable platform
- Remote software update supported
- OTI reader drivers and libraries included
- MDB, DEX, Ethernet, SD, USB (Device and Host) libraries included

Security

- In-box SIM house
- SSL API
- Cryptographic algorithms: AES, TDES, RSA

Communication Links

- USB 2.0
- RS232
- MDB
- DEX

Connectors

- Molex iGrid 26 pin machine interface
- Ethernet RJ45
- Mini USB Type AB
- Micro SD slot
- SMA antenna connection

Dimensions

- Height – 92mm
- Width – 118mm
- Depth – 29mm

CPU & Memory

- Cortex M4 168 MHz
- 1 MB Flash
- 192 KB RAM
- External: micro SD card (8GB card included)

Power

- Input
 - 8VDC – 45VDC
 - 8VDC – 30VDC
- Output
 - USB: 5V, 0.5A
 - AUX: 5V, 0.5A
 - VOUT: Filtered input voltage

Human User Interface

- Three (3) LED indicators
- Two (2) technician buttons

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