OTI – On Track Innovations

TRIO IQ

Intelligent Telemetry Gateway & a 5-in-1 EMV Payment Reader

TRIO-IQ is an intelligent, state of the art modular combo platform that combines Telemetry with a 5-in-1 EMV Payment Terminal. With its robust (IK08+IP65) design and large colourful touch screen, it is the perfect solution for many environments.

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Benefits

The TRIO-IQ Platform lets you save space, expense and service time by use of a single device to run all applications & payment types.

- Touchless vending support
- Reduce development work
- All in one device (Reader, Controller & SDK)
- Multimedia capabilities (e.g. advertisements, videos)
- Large touch screen

- High-end OS (Linux) with SDK allows users to develop customized features with minimal time, effort and risk
- Integral support for Vending, Kiosk, Mobile payment, Pulse & Closed-loop payments

Specifications

Payment Options	EMV Contactless, EMV Contact, Magstripe ,QR Codes, Custom app (mobile/closed loop)
Contactless EMV	EMVCo Modular Design, Kernels: C2(MasterCard), C3(Visa), C4(Amex), C5(Discover), C6 (JCB)*, C7(CUP)
Other Contactless Payments	Apple Pay, Google Pay, Samsung Pay, Huawei Pay, Felica API, Mifare, DESFire/Classic/Ultralight
Contact EMV	Support all EMV contact applications
Integration Options	Vending machines (MDB, DEX, JVMA), Pulse machines, Kiosk SDK (Linux)
Core	Controller: Dual core ARM Cortex A9, 1Ghz, 8GB eMMC, 1GB RAM, Micro SD, Linux Yocto OS Reader: ARM Cortex-M4, 180Mhz, 2MB +32MB Flash, 384KB + 8MB RAM
Power	IN: 10-36V DC, up-to 10W, 450mAHr rechargeable battery OUT: 5V@100mA, Filtered VIN@500mA, USB Vbus@500mA
User Interface	Onboard 3.97"Touch LCD: 480x800, IPS, 600nits (high brightness), 2mm Dragon glass. HDMI out @ 1080p. 5MP camera, auto focus. 2W Audio Speaker. RGB LED. Flash LED
Network	Cellular modem: CAT4 4G LTE, 3G fallback, Micro SIM (3FF), Ethernet 10/100/1000, RJ45
Serial Communication	MDB, DEX, JVMA, USB x2, RS232 x1, TTL x1, SAM x2
Wireless Communication	WiFi & BT(optional), Bluetooth Low Energy (BLE)
NFC interface	PCD: ISO14443 A/B, FeliCa JIS: X6319-4, ISO15693, ISO18092 P2P
Auxiliary I/O	Digital output x2 (400mA SSR x1), Digital Input x2, Analog input x1
Sensors	Short range proximity, Long range proximity (up to 2m)
Environmental	Temperature: -20C° to +55C°, Humidity: up to 95%, Water Ingress Protection: IP65
Mechanical	Dimensions: H107mm, W85mm, D46mm, IK08

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