VALINSO

telebox
Cashless payment and telemetry controller

The telebox controls the cashless payment and telemetry solutions and enables M2M communication.

Telebox is the ultimate M2M controller, enabling real-time clearing of cashless payments, remote inventory control and improved business operations.

With a wide variety of communication interfaces, the TeleBox is designed for installation on vending and other machines, such as self-checkout kiosks, carwash, laundrvomats, amusement and more.

With the OTI readers, the telebox offers a fully L3 EMV certified cashless payment solution, ready for immediate deployment and activation.
The telebox supports MDB for vending, DEX for telemetry, pulse and kiosk protocols.

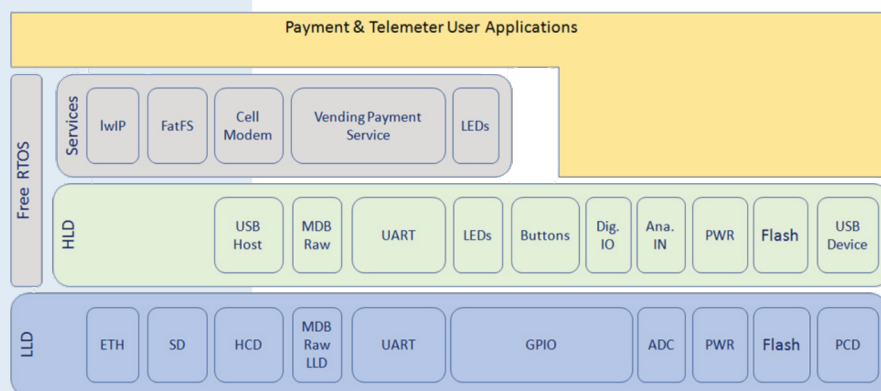USB   UART   [LAN]   (((3G)))

Features

Highl y modular

Cost effective

Supports multiple communication protocols

With OTI readers, fully certified plug and play cashless payment and telemetry solution

Robust SDK

Comprehensive SDK for payment and telemetry applications integration and development

Payment & Telemeter User Applications										

| Free RTOS | Services | IwIP | FatFS | Cell Modem | Vending Payment Service | LEDs | | | | | | |

| HLD | USB Host | MDB Raw | UART | LEDs | Buttons | Dig. IO | Ana. IN | PWR | Flash | USB Device |

| LLD | ETH | SD | HCD | MDB Raw LLD | UART | GPIO | ADC | PWR | Flash | PCD |

PTCRB
PCS Type Certification Review Board

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General

- Modular design by hardware and software
- Supports OEM configuration

Software

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

Communication ports

- USB 2.0 – full speed, Host/Device
- RS232
- MDB
- DEX

Connectors

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

Cellular Modem

- Telit UL865-EUD (Europe)
- Telit UL865-NAD (North America)
- Telit HE910-EUD (Australia)
- Telit HE910-GL (Global)
- Micro SIM line

User interface

- Three LED indicators
- Two technician buttons

Security

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

CPU & Memory

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

Power

- Input:
  - 8VDC - 45VDC
  - 8VDC - 30VAC
- Output:
  - USB: 5V, 0.5A
  - AUX: 5V, 0.5A
  - VOUT: Filtered input voltage
- Backup batteries: 2 x 3.2 VDC (350 mAh) battery pack

Dimensions

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

Environmental

- Operating temperature: -20°C to 70°C