Driver Console Unit Features

Product Highlights

- Rugged and Durable
- 7" TFT display with high brightness LED backlight
- User-friendly touch screen interface
- Wi-Fi (WLAN) enabled
- 2 GB USB storage
- Soft configurable keyboard
- Automotive and industrial grade design
- Battery operated

Media Functions

- External line-out jacks for amplifier
- External mic

Digital Inputs and Outputs

- 5 Digital outputs : Each output channel rating 24 V@1 A
- 5 Digital inputs : Isolated inputs isolation voltage 5 KV

Communication and Interface Ports

- RS232 Port
- RS485 Port
- CAN Port: 1 as per CAN V2.0B (J1939)
- USB host and client
- Provision for analog camera integration

Hardware

- Wide/Q VGA 800 x 480 Resolution
- External vehicle battery power Input : 12 V to 36 V
- Quad-band GSM/GPRS module
- GPS: NMEA-0183 Protocol
- 64 MB flash and 64 MB SDRAM

Application Areas

Easy Integration with

- Vehicle engine and rear camera
- Taxi fare meter
- Receipt printer
- Credit card payment terminal, ignition, door locks, immobilizer etc

Analog Inputs

- 10 analog channels
- Analog input range 0-10 Volt DC

DCU Application

- Data upload/download over Wi-Fi to backend server
- Make and receive GSM calls using GSM headset
- Emergency SMS (SOS)
- Send and receive messages/alerts from central office
- Send GPS data to VTS (Bus Tracking System) server on GPRS/SMS
- Using GPS data raise alerts such as
    - Over-speed
    - Unscheduled stop
    - Bus stopped outside stop vicinity
    - Bus skipped the scheduled stop
    - Geo-fencing
    - Fuel Alert
    - Engine over heating
- CAN interface with available sensor on the bus for monitoring at the server provided CAN data protocol has been shared
- Provision to drive smartcard based AFC readers
- Ticketing machine communication
- LED display interface on RS485 with multi-lingual support
- Analog camera interface to view video
- Live analog camera streaming on DCU screen
- Stage change mode – manual, automatic (GPS) for PIS & AFC
- Integrated PIS system with two channel audio output
- Infotainment output for LED panels for audio video advertisement display - Optional
- Secured authenticated access - Optional
- Starting a trip, Trip initializing and route selection
- Audio speakers volume control
- Configuring the parameters for Wi-Fi, GSM, GPRS and GPS
- Auto application upgrading on USB pen drive and or Wi-Fi

ETM

Camera

AFC

Amplifier

LED