

Operating System

Windows CE .NET 6.0 with ATL, MFC, .NET Compact Framework 3.5 and Digitax Framework 4.1

Development Tools

- ActiveSync 4.5 (last version available) and USB debugging with ActiveSync support
- SDK for Embedded Visual C++ 4.0 (EVC4)
- Sample code for SDK in C++
- Compact Framework 3.5 supported
- Digitax Framework 4.1 (Digitax Libraries): GPS, GPRS, VoiceCall, I/O, Odometer, Taximeter, Hardware Keys, WatchDog, OTA, Windows Status, Stealth Mode Controller, Logs, Backup And Restore, Light Dimmer, Hardware Identification, Splash Screen, Alarm, Card Reader and Windows Status
- Serial port driver and test tools
- Digital I/O driver, API (DLL) and test tool
- Read/Write Windows CE registry application and API to Supports permanent saving of system settings into registry
- Software controllable Warm Restart and test tool
- GPRS modem driver and test tool
- GPS driver and test tool
- Speaker and MIC test tool, wave playback and voice recorder
- Contactless / NFC reader driver and test tool
- Backlight control API and test tools
- Ping tool
- Dialup network
- GSM phone dialer
- Support network protocol TCP/UDP, IP, PPP
- Virtual keypad
- Text file editor
- Explorer

Text-To-Speech

Support 3rd party Native Text-To-Speech

Software Navigation

Support 3rd party map application and navigation software with SDK

System diagnostic tools

On Field Test (OFT) OnBoard Diagnostic Utilities included, with Customizable CheckList to make tests of GPS Fix, GPS Antenna, GPRS Connectivity and Base Station Signal Quality, Odometer, Ignition, Panic Button, TouchScreen calibration, Hardware Keys, Ambient Light Sensor, Device version, OS Version, AITP Version, Taximeter, UPS and Battery Status, Roof Light, Navigation Software

All On Field Tests and enrolling features can be used during first installation and swap of devices.

OS Image Loader

Over The Air (OTA) OS image loader or microSDHC Card Image Loader

System Update Fleet Management

Professional OTA (Over The Air) CLIENT allows the update of the whole Operating System and all the CPUs Firmware (option).

Professional OTA (Over The Air) SERVER with vehicles enrolling, group management and selective update, remote debugging and logging. Web based user interface (option)

Taximeter

Embedded Hardware Taximeter (Option)
Full Firmware and TARIF OTA Programmable

Power Supply

8 - 32 V with Surge Protector

Battery

External UPS Battery Package, Standard Battery Pack 1 hour (option)

Mounting

Removable Display with Docking Station
Professional Docking Station with align and locking guides provided
Docking Station may be permanent locked/sealed with the terminal
All the External Connectors, Accessible slots (such as SIM Card, microSDHC, USB, etc.) and Screws are Sealed

Operating Temperature

-20°C to 70°C

Humidity

Humidity up to 95% non-condensing.

Vibration

Vibration Sine wave, 10 ~ 500 ~ 10Hz, 1.5G, 0.37oct/min 3 axis, 1hour/axis.

Dust Ingress Protection

All connectors covers sealed, no open holes

Dimension

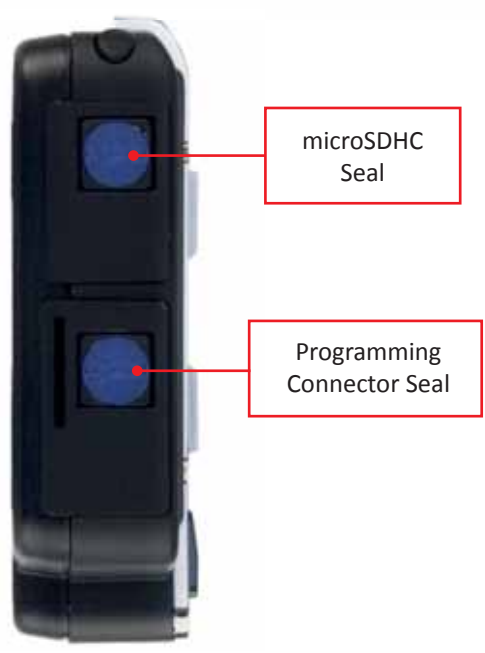
185 mm x 93 mm x 25 mm (W x H x D)

Weight

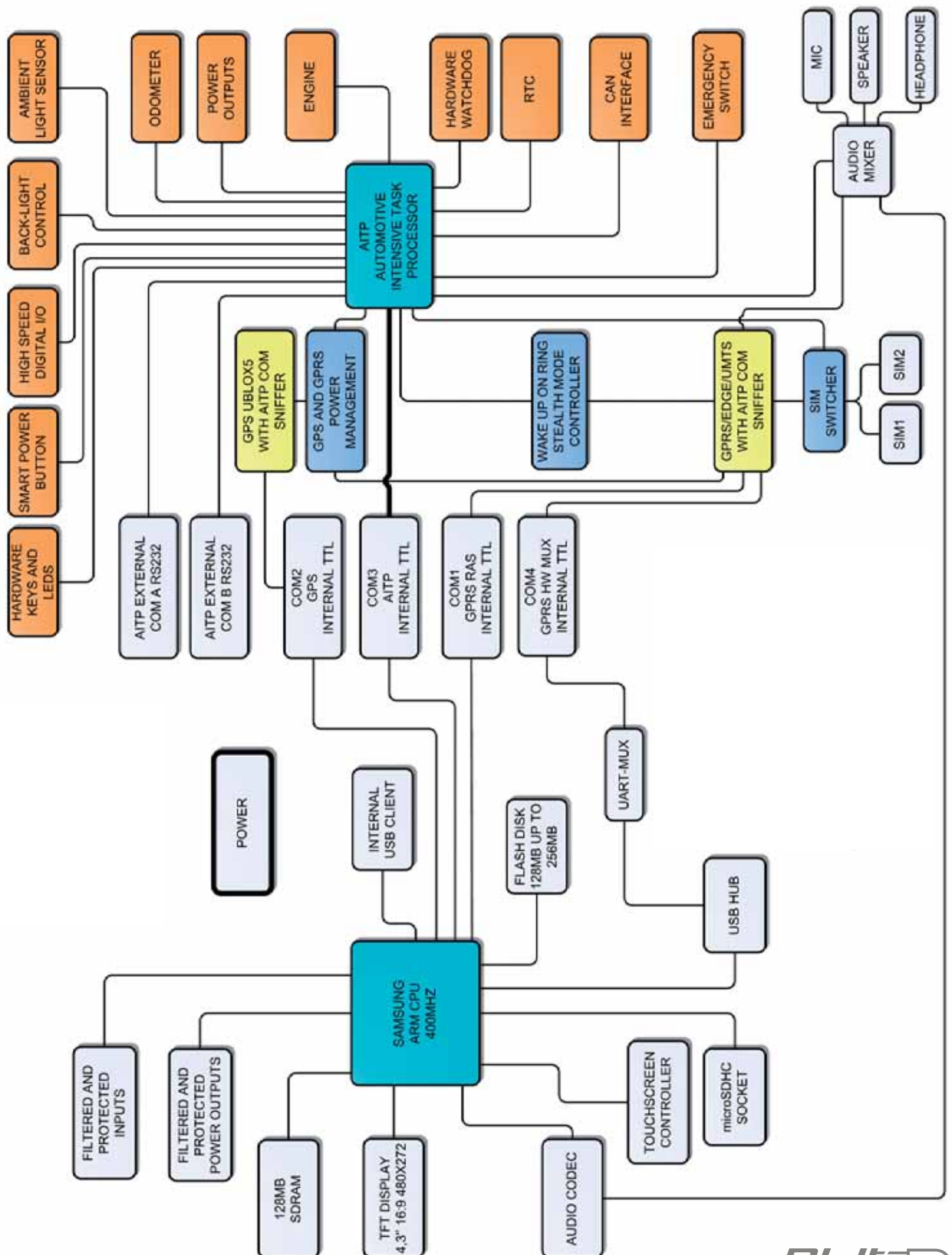
260 g



FORCEONE



Block Diagram



OPERATIVE SYSTEM AND DEVELOPMENT TOOLS

Microsoft Windows CE .NET Operative System and Compact Framework 3.5 combined with the complete Digitax Framework 4.1 allow the developers to create their applications and their services with the maximum simplicity and in very reduced time.



Microsoft Partner
Silver OEM Hardware



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