IHMI

IHMI is a powerful and versatile x86 solution based on Intel® ATOM™ processor.

Robustness, modularity and multi-OS compatibility will place the IHMI at the center of your embedded application.

Once connected to the vehicle, it ensures a unique scalability and offers a wide range of features while allowing easy installation and maintenance.

The new multi-function HMI designed with the end-user in mind!

SPECIFICATIONS

- 7''Wide Resistive Touch Screen
- Brightness automatic adjustment
- Intel® ATOM™ Processor Z520 1.3 GHz
- Up to 2Gb DDR2
- Ethernet – COM ports RS232/422/485
- USB available on product side
- Compact Flash interface
- Integrated speakers and microphone
- GPS with dead reckoning
- GSM/2G/3G/HSPA+ – Wi-Fi – Bluetooth®
- Automotive interfaces
- IP54 protection
- Operating Temperature: -40°C/+60°C

IHMI

IHMI
All-in-one Automotive Solution

ACTIA®

TECHNICAL SPECIFICATIONS

DISPLAY

Screen	Screen Resolution
Industrial 7'' Wide with LED backlight	800x480

Touch Screen / interface	Brightness
4 Resistive wires / USB 1.1	450 Cd

View Angles L-R / U-D	Contrast
120° / 140°	600 :1

Brightness control	
From 0.1 up to 100% with front panel buttons	Automatic adjustment with ambient light sensor

PC CORE

Processor	Chipset
Intel® ATOM™ Z520 1.3Ghz	Intel® Poulsbo US15WPT

RAM	Ethernet
Up to 2Gb DDR2	10/100/1000 Mb/s (wire)

Video Controller	Serial interfaces
Chipset integrated / LVDS	Up to 4 COM RS232/422/485 ports (through interface box *)

IDE	USB External interfaces
Compact Flash interface	1 USB 2.0 on product side (A type) 1 USB 2.0 optional (Automotive)

Audio	
2 Output independent stereo audio lines (through wire or interface box *)	2 integrated speakers and 1 microphone

AUTOMOTIVE FUNCTIONS

Power Supply	Inputs/Outputs
Manageable power supply 12/24V ISO7637-2 With wake-up, shutdown and sleeping modes control	Multiple I/O Alternative configuration according to interface box choice *

Protections	Field Bus
IP54 - Front panel	CAN interface

GPS	Bluetooth
UBlox with 50 channels (Galileo compliant and dead reckoning)	2.0 + EDR **

GSM / 3G+	Operating Temperature
Cinterion GSM/GPRS/EDGE/2G/3G/HSPA+ automotive **	-40°C / +60°C

WiFi	Dimensions
Wifi a/b/g/n Mini-PCIE	194 x 133 x 28 mm (no flush fit front panel)

* Interface box (or mixing panel): interface to connect and manage multiple I/O within the vehicle

** Available option for custom version

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