



Telematics Computer **MX-16**

Host Mobility's second generation telematics computers for application development and testing

The MX-16 2.0 is designed as the ultimate telematics computer development platform for mobile applications and is very suited for development of mobile data communication applications, such as fleet management, mail, navigation etc.

The advanced power management solves the problem with always being accessible from the Internet and at the same time saving the battery in the vehicle. With Host Mobility's technology you never have to turn off the MX-16 2.0.

To get rid of the "Ctrl-Alt-Del"-keys most of today's computers need, the MX-16 2.0 includes a very stable embedded Linux OS combined with a high-and-low level watchdog system that makes it virtually impossible to "hang" the telematics computer.

The MX-16 2.0 consists of two highly integrated circuit boards; a powerful computer platform and a power management circuit board. The power management board integrates the GSM/GPRS modem, the GPS

receiver, advanced power management functionality and VGA functionality.

MX-16 2.0 is designed to run the QT/Qtopia application environment from Trolltech together with Host Mobility's development and runtime environment.

Features

- 206 MHz StrongARM processor
- 16 MB FLASH
- 32 MB RAM
- GPS receiver
- GSM/GPRS modem
- Advanced power management
- Advanced watchdog system
- Several wake-up sources
- Support for Linux
- Small compact rugged box

Power requirements

- Input voltage 8-30 V DC
- Normal operation: ~640 mA @ 12 V
- Transmitting GSM data, 2 W: ~930 mA
- 6 sleep modes down to ~1 mA

Standard Interfaces

- Ethernet
- PCMCIA
- CAN interface (ISO 11898)
- Digital LCD/TFT
- Touchscreen and keyboard (PS/2)
- Standard VGA (RGB)
- RS232
- GPS antenna (SMA)
- GSM antenna (SMA)
- User IO

Wake-up sources

- CAN traffic
- GSM data
- SMS
- External 12 V (ACC)
- User IO
- Time triggered

Dimensions

- 18x13x5,5 cm