



APPLICATIONS

The ENVADER®-MI-BOX is the perfect Plug&Play Box PC solution for vehicle applications. A German engineered and produced high quality Box PC system offering high performance and flexibility for huge amount of interface variants.

- ▶ Mobile Box PC for Commercial/Industrial Vehicles
- ▶ Rugged Industrial System
- ▶ Automation Control
- ▶ Information System
- ▶ Remote Measurement & Quality Control

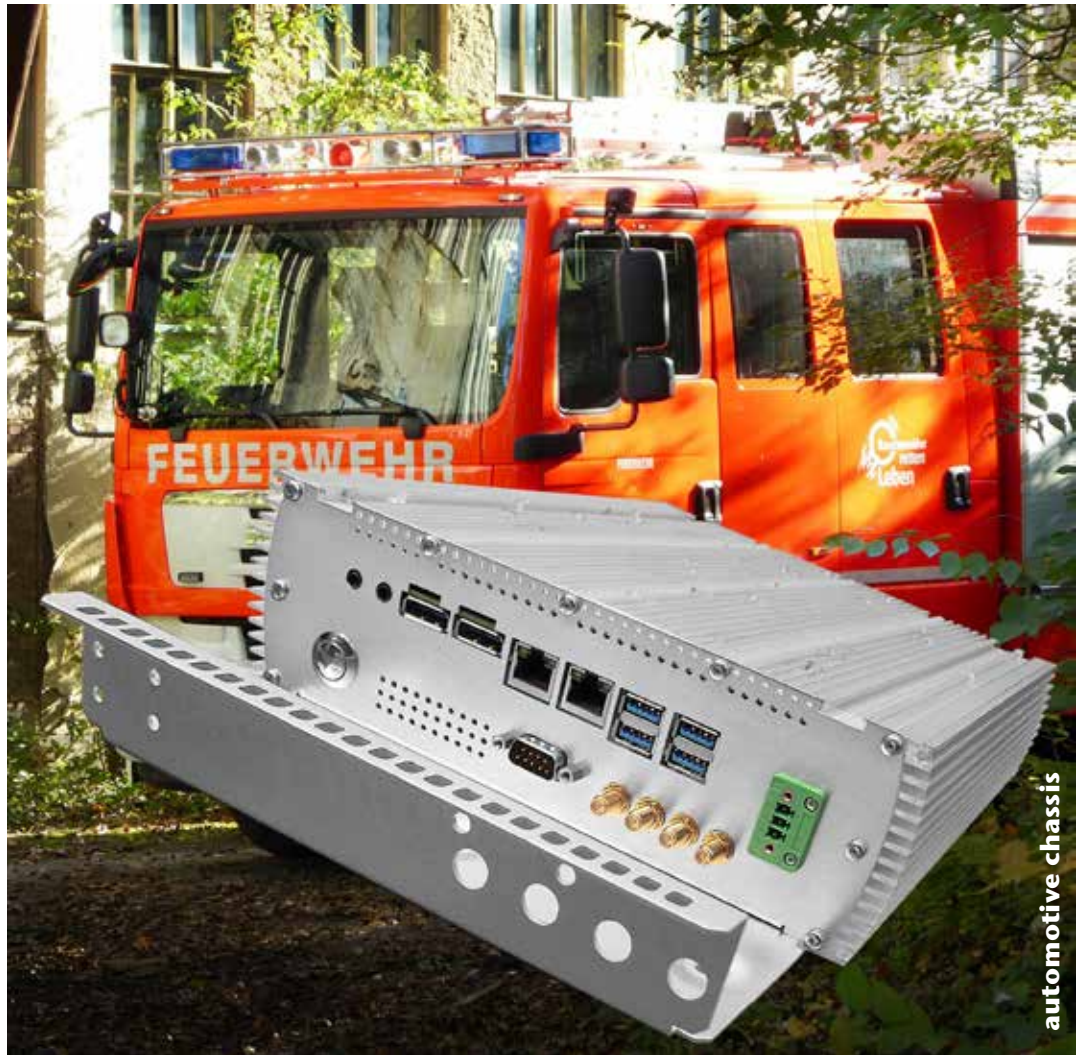
BENEFITS

- ▶ Long term availability
- ▶ Free of rotating parts
- ▶ Rugged & reliable choice for demanding embedded applications
- ▶ Easy to expand

ENVADER-MI-BOX



MINI-ITX Box PC System



automotive chassis

expand your vehicle with a box pc

A "Made in Germany" System



Mobile Box PC system in a strong aluminum housing.



Passive cooling by heat sink and aluminium housing.



Easy expansions with CAN, Analoge/Digital IO, Relay, RS-232 and RS-485.



The Box PC starts automatically by ignition on and shut down with a time delay by ignition off.



High speed communication with USB 3.0 and Gigabit Ethernet.



Optimized mobile Box PC for automotive DC input.



OVERVIEW

The ENVADER®-MI-BOX is the ideal industrial grade Box PC for versatile applications in all kind of vehicles and by many further uses.

Up to three interfaces options in different possible combinations allow a universal expansion of the system.

SUMMARY

- ▶ Aluminium case
- ▶ Passive cooled
- ▶ Uninterruptible power supply
- ▶ Wireless Options
- ▶ Easy mounting



Alternative Box-PC chassis



USB Interface Modules Options

Module	Description
MTCAA	CAN module
MTCAB	CAN module (galvanically isolated)
MTDAA	Analog/Digital module
MTETA	Ethernet module
MTGPA	GPIO module
MTMCA	Mini PCI Express module
MTREA	Relais module
MTRSA	RS-232 module
MTRSB	RS-485 module (half duplex)
MTRSC	RS-485 module (full duplex)

Combine up to three modules to customize the Box PC to suit your needs. Any combination is possible.

DESIGNED FOR SEVERAL POSSIBILITIES

More Information: sales@emtrust.de
fanless rugged industrial design

SPECIFICATIONS

CPU	Intel® 6/7th Gen. Core™ processors i7-7600U/2.8 GHz/4 MB cache i5-7300U/2.6 GHz/3 MB cache i3-7100U/2.4 GHz/3 MB cache Celeron® 3965U/2.2 GHz/2 MB ca. Others on request	Extension Interf.	Interface power button, 1x M.2 socket
Memory	Up to 32 GB DDR4 dual-channel memory support up to 2133 MT/s	OS Support	Linux® Ubuntu 16.04 LTS, Windows® 7, 10, 10 IoT
Front Interfaces	4x USB 3.0; 1x MicroSD-Card, Up to 2x Gigabit Ethernet, 2x Display Port con. (4096x2304), 1x Line In, 1x Line Out/Mic IN, 1x mini PCIe with SIM Card socket, 2x Signal LED (HDD + PWR)	Power Input	DC 8 V (min) to 32 V (max) automotive grade, typical 30 W AC on request
Extension Interf.	3x USB connectors to connected USB interface modules, KL15 clamp - switched plus from the ignition switch	Housing	Aluminium case
		Dimension /mm	Approximately 240 x 70,4 x 250
		Weight	Approximately 1750 grams + opt.
		Mounting	Stand alone, rail mounting
		Conformity	CE, ROHS, REACH
		Com. Temp.	Operation: 0 °C to +60 °C amb. Storage: -20 °C to +85 °C amb.
		Humidity	Maximal relative humidity of atmosphere: 95 % at 40 °C, non- condensing



**E.E.P.D. Electronic Equipment
Produktion & Distribution GmbH**
Gewerbering 3
85258 Weichs - Germany
Tel.: +49 8136 2282 0
Fax: +49 8136 2282 109
Internet: www.eepd.de
E-Mail: sales@eepd.de



systems you can trust

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