

EMBEDDED BOX PC

For communication and memory-intensive applications

The BC51M box PC from MEN is a fanless and maintenance-free device. It is used in graphics and memory-intensive applications such as trains, buses, or commercial vehicles. It comes with CAN.

The BC51M is based on the Intel Atom E3900 series - optionally with two or four cores, up to 1,6 GHz. It supports a range of interfaces including CAN. With 8 GiB DDR3 SDRAM memory, a rear accessible SD card, an integrated eMMC memory and an optional Sata HDD/SSD, the box PC has the storage capacity e.g. for entertainment servers or video surveillance systems.

The product was designed for mobile use in trains, buses, or commercial vehicles and takes over wireless on-board functions such as Internet on board, positioning via GNSS, entertainment, or predictive maintenance. Two PCI Express Mini Card slots and two micro-SIM slots enable implementing mobile service standards up to 4G LTE or WLAN.

The system is designed for fanless operation at temperatures from -40 °C to +85 °C. Due to the integrated 30 W/24 V_{DC} wide-range power supply, the box PC complies with the railway standard EN 50155 and ISO 7637-2 for road vehicles.



The scalability within this series gives the user the necessary flexibility, said the company (Photo: MEN)

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