

CAN and J1939 vehicle PC for space-critical situations

The VTC-1020-PA vehicle PC from IPC2U with 1,8GHz Intel Atom dual-core processor x5E3930 measures 18 mm x 50 mm x 120 mm. It is suitable for vehicle installation in space-critical situations without compromising performance.

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(Photo: IPC2U)

The product offers the CAN 29-bit identifier extended frame format and an optional OBD interface (SAE J1939) for vehicle diagnostics and optimization of driving behavior. The advanced GPS receiver is not limited to GPS, but also supports Glonass, QZSS, Galileo, and Beidou. A dead reckoning module is also available as an option. The device is equipped with WLAN and WWAN for wireless data and voice connectivity. In addition, an accessible SIM slot allows comfortable access to the SIM card.

The vehicle PC is suitable for operation in a temperature range of -40 °C to +70 °C and flexible with regard to the direct current supply in the range of 9 V to 36 V. Due to its size, the fanless device can be installed in space-critical vehicle situations and also in places which are rather difficult to ventilate, said the company. The vehicle computer is certified according to MIL-STD-810F and e13Mark standard against the high loads due to high temperatures or vibrations and shocks.

The product can be used as an information system for passengers in bus and train, at the stop or for the driver, with its individually switchable three audio in and out interfaces.

The company is part of the [Embedded World](#) 2019 and shows the product in hall 1, booth 445.

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