CAN *Newsletter Online*

OEM SERIES
Box PC as CAN control or IoT device

Syslogic has announced the S-81, another industrial computer. The OEM (original equipment manufacturer) series is based on Intel Atom processors from the E3900 family.

The company is one of the few European companies that develops and manufactures its own embedded systems (Photo: Syslogic)

The first fanless Box PC from the latest series is suitable as a cost-optimized gateway for IoT edge applications or for controlling CAN network systems, said the company. With the embedded computer, Syslogic unveils the first device of the OEM series. The product features various interfaces facilitating connection to different communication levels. Due to two isolated CAN interfaces (optionally also available with six) the Box PC is suited as a CAN controller. Accordingly, the device is used for monitoring or controlling vehicles, such as forklifts, automated guided vehicles (AGVs), or special vehicles.

An EIA-232 interface is available for connecting sensors or machines. Due to integrated Gigabit Ethernet interfaces and WiFi support, the Box PC can also be used as an IoT gateway, data-logger, or pitch controller in wind turbines. System upgrades are implemented by a Mini PCI Express interface. MicroSD or CFast cards can be connected to be used as storage media.

The computer is suitable for OEM manufacturers and system integrators who want to exploit the full potential of a smart embedded system in the IoT or CAN environment. To guarantee best user comfort and fast commissioning, Syslogic delivers its embedded computers with a preconfigured operating system. To meet a variety of requirements, various Windows or Linux versions are available. This includes the newly launched versions Windows 10 IoT Enterprise 2019 LTSC and Ubuntu 18.04.1 LTS.

Raphael Binder, Product Manager at Syslogic, said: "The Embedded Computer OEM S-81 is somewhat of a universal genius within our portfolio." That's because, according to Binder, it is suitable for a variety of applications without requiring adjustments.

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