

EMBEDDED PC

With two isolated Classical CAN networks

The fanless DIN-Rail embedded PC DRPC-130-AL from ICP (Germany) is optimized for control cabinet installation. The upgraded edition of the DRPC convinces with numerous additional functions.

These added functions include two isolated Classical CAN interfaces, which are lead out via a 9-pin D-sub (DE-9) connector, an optional TPM module, and a PS-ON terminal block. The advantages for industrial control and automation are obvious: secure data transmission in real time and usage in places that are difficult to access because direct access for operation is not necessarily required.

The product provides one DE-9 connector for dual Classical CAN at the front of the IP40-protected housing. This does not comply with CiA 303-1 recommendation. Additionally, it features four USB, two 1-Gbit/s Ethernet, four EIA-232/422/485, and one 8-bit digital I/O ports. The two HDMI 1.4 b interfaces offer a resolution of up to 4096 UHD (ultra-high resolution) and, like the two terminal blocks, are accessible from above. One terminal block supplies the box PC with an input voltage of 12 V_{DC} to 24 V_{DC}. The other (PS-ON) allows the product to be switched on and off externally. A 2,5-inch Sata 6-Gbit/s drive bay, an mSata, and an eMMC 5.0 slot can be equipped with suitable mass storage via the removable side panel.

Inside the 174 mm x 130 mm x 59 mm DRPC-130-AL is a current 14-nm Intel Atom dual-core processor and max. 8-GiB DDR3L memory. An integrated SIM slot and a WLAN module can optionally be used for remote control within the network. Due to an operating temperature of -20 °C to +60 °C and its vibration resistance, the device is particularly robust and can be used for a wide range of applications, said the company.



Upon customer request, ICP delivers the DRPC-130-AL preassembled and with integrated operating system as ready-to-use system (Photo: ICP)

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