

32-INCH

Flush-mount HMI with CAN interface

Garz & Fricke extended its range of POS/PID (point of sale/public information display) solutions with Santoka 32.0 SG. This flush-mount unit with a 32-inch capacitive touch display can be integrated into a device's surface.



The flush-mount unit can, for example, be used for coffee machines that also offer advertising space (Source: Adobe Stock)

i.MX6 Quad or Dual ARM processor from NXP.

The HMI is designed for a range of applications. It can serve in public buildings, such as airports, train stations, or shopping centers. The advantages are shown where users are supposed to make their own entries in order to obtain specific information, said the company. Also, the use at production sites (Industry 4.0), where users receive specific information within the automation process in addition to the basic overview, is conceivable. Furthermore, POS applications in connection with product selection and vending machine control are feasible. An example for this, are coffee machines that also offer advertising space.

Whether in portrait or landscape mode, this POS/PID device offers the ability to display information as well as interact with the user. The product is designed for industrial applications, as an information board in public buildings or at the POS.

The display with HD resolution is implemented as a flush mount HMI (human machine interface) and is equipped with a 4-mm hardened cover glass with Antiglare coating. With a brightness of 400 cd/m² and a LED backlight life of at least 50 000 hours, the display is suited for continuous operation. This solution works with the Santoka board from the company and is Linux-based. It provides interfaces such as CAN, Ethernet, EIA-485, EIA-232, USB, as well as SD card and is equipped with mPCIe expansion slots for Wi-Fi/BT/LTE. The provided CAN interface is galvanic-isolated (ISO/DIS 11898). For graphic performance and continuous operation in an industrial environment, the fanless single board computer uses the



32-inch touch display with HD resolution (Source: Garz & Fricke)

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