Designed for mounting arm installation, the CP32xx Panel PC series delivers multi-touch functionality and high computing power into the field in a single, advanced device.

CP32xx Panel PC for mounting arm installation supplements comprehensive multi-touch portfolio

Multi-touch functionality and high-end computing power all in one dynamic machine controller

With the new CP32xx Panel PC series, industrial multi-touch displays can now also be used as an all-in-one, high performance device directly in the field. These powerful devices for mounting arm installation feature all-round IP 65 protection and integrate best-in-class multi-touch Control Panel technology with a high-performance add-on IPC, all in one compact housing.

convenient when using storage media such as a CFast card or SSD. The connecting cables are laid through the support arm into the connection compartment for up to six IP 65 connectors. In the basic configuration, two of the connection points are configured with an Ethernet interface or power supply; the remainder are optionally available for a further Ethernet, USB or serial interface or for a Mini-PCI fieldbus. The cylindrical connector hood in the centre of the device is easy to remove. This enables convenient access to the connection compartment and also facilitates the cleaning of the cooling fins if necessary.

For maximum computing power beyond the standard 1.6 GHz Intel® Celeron® CPU with two cores, the CP32xx Panel PCs also offer the option to use Intel® Core™ i series processors of the second, third and fourth generations. Two cores can be used with Intel® Core™ i3 and i5 processors and four cores with the i7 processor. Panel PC displays are available in 12 to 24-inch sizes, in both 4:3 and widescreen formats as well as in landscape and portrait modes. Further features include a free Mini-PCI slot for factory-installed cards, 2 GB DDR3-RAM (extendable to 16 GB), hard disk, CFast card or SSD, on-board dual Ethernet adapter with 10/100/1000 Base-T connection and an on-board SATA RAID-1 controller (Intel® Rapid Storage Technology).

The aluminium housing design means the Panels are exceptionally robust and ideally suited for industrial applications. A narrow, circumferential metal impact protector reliably protects the touchscreen surface, including the display against mechanical destruction. The all-glass surface is chemically hardened, has an anti-reflection coating and offers maximum resistance to environmental influences.

The multi-touch panels with projective capacitive touchscreen (PCT) technology feature a high touch-point density enabling accurate, safe and jerk-free operation even in minute steps. The panels can also be operated with thin latex working gloves. Five-finger touch and automation solutions with 2-hand operation are equally possible.

The area at the rear of the CP32xx Panel PC, which is required for swivelling and tilting the connected mounting arm, is also efficiently used to accommodate the added IPC components using little space. The components in this solution are thermally decoupled from each other: to save space, the computer is built around the integrated mounting arm in a u-shaped housing with cooling fins for passive cooling.

Despite its compact design the CP32xx offers excellent heat dissipation characteristics which are achieved using internal fans. This ensures even heat distribution to all walls of the housing. This results in a Panel PC operating temperature range from 0 to 45 °C. Moreover, all components are easily accessible, which is

Further Information:
www.beckhoff.com/CP32xx