

Multi-functional, compact Panel PC
for complex automation tasks

Slimline Panel PC saves space and energy thanks to Intel® Atom™ CPU



Control Panel with high computing power and low energy consumption: The robust CP77xx Panel PC series from Beckhoff integrates a TFT display and a PC in a slimline, water- and dust-proof aluminum housing with IP 65 protection.

With the CP77xx series, Beckhoff extends its Panel PC family with another high-performance variant, this time based on Intel® Atom™ processors. Integrating the Atom™ CPU into the Control Panel turns the multi-tasking display device into a fully powered Panel PC with slimline design. The CP77xx has a very low housing depth between 28 and 45 mm (1.1" and 1.8"), depending on the display size. In this way, it meets user demands for a high-performance Panel PC with compact design and an affordable price.

By using the Intel® Atom™ processor for the CP77xx Panel PCs, Beckhoff continues its effort to integrate the smallest available x86 CPUs from Intel in its Industrial PC products. Following the C6915 control cabinet PC and the CP62xx Economy "built-in" Panel PC, the CP77xx is now also equipped with a highly integrated motherboard for Intel® Atom™ and offers industrial applications the many benefits of processors with low power dissipation.

The PC is integrated into a slimline Control Panel housing and is equipped with a 6.5, 12, 15 or 19" display. Users are therefore offered a high-performance device, even in the compact 6.5" format. The user benefits not only from the slimline design paired with high computing power, but also from significant energy savings due to the low power consumption of the Atom™ CPU.

The Panel PCs feature robust, industrial design with IP 65 protection and are available with Intel® Atom™ 1.1 or 1.6 GHz processors. They are ideal for high-performance control platforms for machine builders and plant engineering applications. The CP77xx is equipped with a Compact Flash card, which is easily accessible under a cover in the

rear panel. It requires no fan and is a solid state device containing no rotating parts. The Panel PC comes with two RJ 45 Ethernet connections and an RS232 interface in the rear panel as standard. A 2-port USB interface is available as an option. Further equipment options enable users to take optimum advantage of the housing design according to individual requirements.

The Panel PCs in the CP77xx series are ideally suited for all tasks in automation, graphics applications and visualization, since the powerful Atom™ processors were specially developed for mobile display devices. The CP77xx Panel PCs are also the right choice for CP-Link 3 applications requiring small, high-performance processors for fast image processing. The use of the 1.1 or 1.6 GHz Atom™ CPUs, which are included in the Intel® embedded roadmap, ensures long-term availability and an optimum price/performance ratio.

www.beckhoff.com/CP77xx