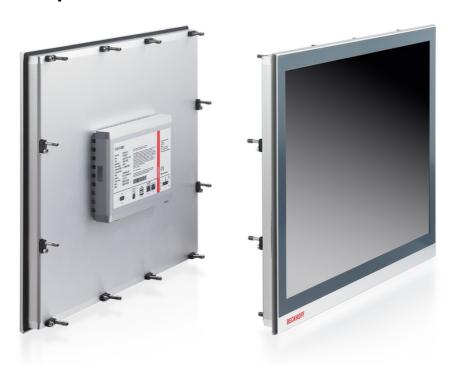# CP26xx-0000 | Panel PC with ARM Cortex™-A8

Product status: Regular delivery

The CP26xx built-in Panel PC series is characterised by a modern operating concept with dual-touch display as well as an advanced, elegant device design. It is designed for installation in the front of a control cabinet. The CP26xx combine reliable Beckhoff Control Panel design with state-of-the-art Industrial PC technology. The right display size from 7 to 24 inches is available for every application – in landscape or portrait orientation (horizontal/vertical). With their highly integrated 3½-inch motherboards, the CP26xx built-in Industrial PCs represent a high-performance platform for machine construction and plant engineering applications that can be used in conjunction with TwinCAT automation software under Windows Embedded Compact 7.

Scalable performance

CP26xx Panel PCs are equipped with an ARM Cortex™-A8 processor. They are equipped with a microSD card and have no rotating parts.

Highest data availability and data security

CP26xx are supplied with a 24 V power supply unit, optionally also with a capacitive uninterruptible power supply (second UPS).

Accessibility of the components

The microSD card and the lithium battery of the system clock are accessible from the rear in the connector bracket.

Central EtherCAT control

Due to its independent Ethernet and EtherCAT interfaces the CP26xx is ideally suited as a compact central processing unit for an EtherCAT control system. NOVRAM for fail-safe data storage is integrated on the motherboard.

Advantage at the very core: the Beckhoff Industrial PCs

Beckhoff is a pioneer in PC-based automation technology and has been developing and producing its own PC hardware since 1986. The technology know-how that has grown over the past decades is incorporated today into all Beckhoff Industrial PCs. Their principle feature is the use of state-of-the-art components and processors of the highest performance class. Combined with a high in-house production depth, including proprietary motherboard production, long-term component availability, extremely flexible configuration and customer-specific adaptations, Beckhoff presents itself today as one of the world's leading Industrial PC manufacturers.

Product information

Technical Data

Technical data	CP26xx-0000	Options
Device type	Multi-touch built-in Panel PC	
Housing	aluminium housing with glass front	stainless steel housing with glass front at 7", 12.1", 15.6", 18.5" and 21.5" display
Slots for hard disk/flash	1 slot for microSD	
Protection class	front side IP 65, rear side IP 20	
Operating temperature	0...55 °C	
Display size/resolution	7" 800 x 480, 12" 800 x 600, 12.1" 1280 x 800, 15" 1024 x 768, 15.6" 1366 x 768, 18.5" 1366 x 768, 19" 1280 x 1024, 21.5" 1920 x 1080 or 24" 1920 x 1080	
Touch screen	multi-finger touch screen	
Processor	ARM Cortex™-A8, 1 GHz (TC3: 30)	
Motherboard	3½-inch motherboard	
Memory	1 GB DDR3 RAM	
Graphic adapter	integrated in the processor	
Ethernet	1 x 10/100BASE-T on-board	
EtherCAT	1 x on-board	
Hard disks/flash	512 MB microSD	up to 8 GB microSD
Persistent memory	128 kByte NOVRAM	
Interfaces	2 x USB 2.0, 1 x RS232	1 x USB in the front
Power supply	24 V DC	
Operating system	Windows Embedded Compact 7, English	

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Ordering Information

CP26xx-0000	Dual-touch built-in Panel PC with ARM Cortex™-A8
CP2607-0000	7-inch display 800 x 480, dual-finger touch screen
CP2612-0000	12-inch display 800 x 600, dual-finger touch screen
CP2613-0000	12.1-inch display 1280 x 800, dual-finger touch screen
CP2615-0000	15-inch display 1024 x 768, dual-finger touch screen
CP2616-0000	15.6-inch display 1366 x 768, dual-finger touch screen
CP2618-0000	18.5-inch display 1366 x 768, dual-finger touch screen
CP2619-0000	19-inch display 1280 x 1024, dual-finger touch screen
CP2621-0000	21.5-inch display 1920 x 1080, dual-finger touch screen
CP2624-0000	24-inch display 1920 x 1080, dual-finger touch screen

Options

Options	Dual-touch built-in Panel PC with ARM Cortex™-A8
C9900-M575	vertical orientation of the display inside the Control Panel or Panel PC CP22xx, CP26xx, CP29xx or CP39xx instead of standard Control Panel or standard Panel PC
C9900-E268	1-port USB socket inside the front of a CP2xxx without push-button extension, USB-A socket IP 65
C9900-F941	stainless steel front with blue silicone seal for CP2x07-00x0 for horizontal alignment, stainless steel 1.4404, matt ground with grain size 240, instead of standard aluminium front
C9900-F942	stainless steel front with blue silicone seal for CP2x13-00x0 for horizontal alignment, stainless steel 1.4404, matt ground with grain size 240, instead of standard aluminium front
C9900-F945	stainless steel front with blue silicone seal for CP2x16-00x0 for horizontal alignment, stainless steel 1.4404, matt ground with grain size 240, instead of standard aluminium front
C9900-F946	stainless steel front with blue silicone seal for CP2x18-00x0 for horizontal alignment, stainless steel 1.4404, matt ground with grain size 240, instead of standard aluminium front
C9900-F948	stainless steel front with blue silicone seal for CP2x21-00x0 for horizontal alignment, stainless steel 1.4404, matt ground with grain size 240, instead of standard aluminium front
C9900-H800	2 GB microSD card, instead of 512 MB microSD card
C9900-H801	4 GB microSD card, instead of 512 MB microSD card
C9900-H806	8 GB microSD card, instead of 512 MB microSD card
C9900-S706	TwinCAT 2 PLC runtime for Windows Embedded Compact 7
C9900-S707	TwinCAT 2 NC PTP runtime for Windows Embedded Compact 7
C9900-U212	internal, capacitive 1-second UPS to ensure secure backup of persistent application data on the flash card, requires TwinCAT and Windows Embedded Compact 7

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