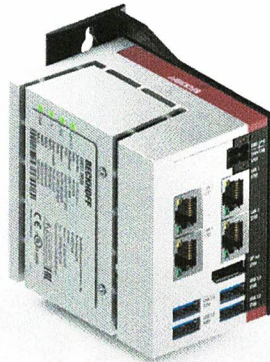




C6017-0020 | Ultra-compact Industrial PC



i Product status: Regular delivery

With the C6017, Beckhoff is extending its range of ultra-compact Industrial PCs by a modular variant with scalable interface extensions and a 1-second UPS for the backup of persistent data. Due to its extremely compact size, the versatile and flexible mounting options and the impressive computing power of the Intel® Atom® processors, the C6017 fits into virtually any control cabinet and machine concept. Apart from use for a wide range of automation tasks, the C6017 is mainly suitable for use as an IoT gateway, or as an edge device. The basis for this is the full integration and compatibility of TwinCAT and EtherCAT.

Performance classes and application areas

The C601x series offers Intel® Atom® computing power for a wide range of automation and visualization tasks. Due to their impressive computing power in relation to their size, the PCs are mainly suited for use in Industrie 4.0 applications, for example as an IoT gateway.

Compactness

The Industrial PCs from the C60xx series are the most compact in their respective performance class in the Beckhoff portfolio. Despite the extended interface variety, only the height has changed in comparison with the base model C6015: with dimensions of just 82 x 82 x 66 mm, the C6017 also saves an enormous amount of space.

Flexible mounting

In particular the wide variety of mounting options for the rear panel of the control cabinet or the DIN rail should be highlighted with this Industrial PC series. The connection level can be freely oriented, i.e. adapted to possibly specified cable layouts. Due to their maximum flexibility, the PCs fit in any niche in the control cabinet, however small.

Price-optimized

Due to the optimized housing and manufacturing concept, all Industrial PCs from the C60xx series are cost-optimized and are often less expensive in direct comparison with other series in the Industrial PC product area without restrictions in industrial compatibility, quality or durability.

All-in-one motherboard

The basic concept of the series always provides for an all-in-one motherboard developed and self-manufactured by Beckhoff. The single-board PCs are characterized by further improved robustness and durability. Modular, functional extensions in the form of a second board level can be integrated in every motherboard via an internal plug connector.

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

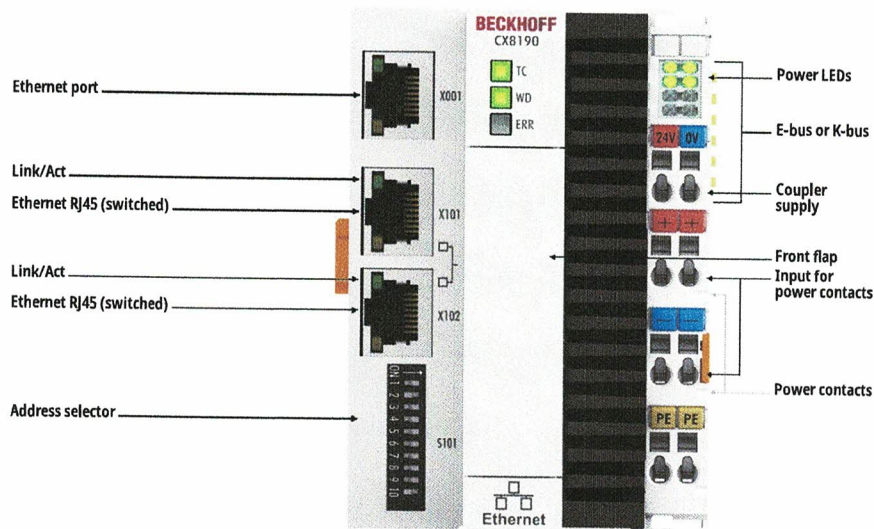
Technical data	C6017-0020	Options
Device type	Ultra-compact control cabinet PC	
Housing	aluminum zinc die-cast housing	
Installation	mounting sheet at the rear wall	mounting sheet at the side wall or for DIN rail
Slots for hard disk/flash	1 slot for M.2 SSD	
Cooling	passive with single side cooling plate	
Free space for air circulation	5 cm (2") on top and bottom of the PC required	
Protection rating	IP20	
Operating temperature	0...50 °C	

Dimensions (W x H x D)	82 x 82 x 66 mm (3.2" x 3.2" x 2.6"), without mounting plate	
Processor	Intel Atom® x5-E3930, 1.3 GHz, 2 cores (TC3: 40)	Intel Atom® x5-E3940, 1.6 GHz, 4 cores (TC3: 50)
Motherboard	compact motherboard for Intel Atom® x5-E39xx	
Memory	4 GB DDR4 RAM	up to 8 GB DDR4 RAM ex factory
Graphic adapter	integrated in the processor	
Ethernet	2 x 100/1000BASE-T on-board	2 x 100/1000BASE-T
Hard disks/flash	40 GB M.2 SSD	up to 160 GB M.2 SSD
Interfaces	2 x USB 3.0, 1 x DisplayPort	2 x USB 2.0, 2 x RS232
Power supply	24 V DC	UPS
Operating system	–	Windows 10 IoT Enterprise

Options

Options	C6017-0020
C9900-C585	processor Intel Atom® x5-E3940, 1.6 GHz, 4 cores (TC3: 50), instead of Intel® Atom® x5-E3930, 1.3 GHz (TC3: 40)
C9900-C584	processor Intel Atom® x5-E3940, 1.6 GHz, 4 cores (TC3: 50) and memory extension to 8 GB DDR4 RAM instead of Intel Atom® x5-E3930, 1.3 GHz (TC3: 40) and 4 GB DDR4 RAM
C9900-E320	additional connectors in the front of a C6017-0020, dual Ethernet adapter with 2 x 100/1000BASE-T connector and 2 USB 3.0 ports
C9900-E311	additional connectors in the front of a C6017, 2 x serial port RS232, galvanically isolated, D-sub 9-pin connector
C9900-H591	80 GB M.2 SSD, 3D flash, extended temperature range, for C601x, instead of 40 GB M.2 SSD
C9900-H599	160 GB M.2 SSD, 3D flash, extended temperature range, for C601x, instead of 40 GB M.2 SSD
C9900-Z468	adapter cable DisplayPort to DVI, 40 cm
C9900-M664	mounting plate for C601x at the side wall, instead of plate at the rear wall
C9900-M665	mounting plate for lateral installation of the C601x; single part, not mounted
C9900-M666	mounting plate with DIN rail mounting adapter for C601x, instead of standard mounting plate
C9900-M667	mounting plate with DIN rail mounting adapter for C601x; single part, not mounted
C9900-U215	internal, capacitive 1-second UPS to ensure secure backup of persistent application data on the M.2 SSD, requires TwinCAT and Windows Embedded Compact 7, Windows Embedded Standard 7 or Windows 10 IoT Enterprise
C9900-S490	Windows 10 IoT Enterprise 2019 LTSC, 64 bit, German, for Industrial PCs with Intel Atom® E38xx and Intel Atom® x5-E39xx
C9900-S491	Windows 10 IoT Enterprise 2019 LTSC, 64 bit, English, for Industrial PCs with Intel Atom® E38xx and Intel Atom® x5-E39xx

CX8190 | Embedded PC with different Ethernet protocols



i Product status: Regular delivery

The CX8190 is a controller with two Ethernet ports, one of which is switched to two RJ45 sockets. It supports protocols such as real-time Ethernet, ADS UDP/TCP or EAP (EtherCAT Automation Protocol). K-bus or E-bus terminals can be attached as required; the CX8190 automatically recognizes the type of I/O system connected during the start-up phase. The control system is programmed with TwinCAT 3 via the fieldbus interface or the additional Ethernet interface. TwinCAT 3 licenses must be ordered via the TwinCAT 3 price list.

Product information

Technical Data

Technical data	CX8190
Processor	ARM Cortex™-A9, 800 MHz (TC3: 20)
Number of cores	1
Flash memory	slot for microSD card, 512 MB included (expandable)
Main memory	512 MB DDR3 RAM (not expandable)
Persistent memory	1-second UPS (for 1 MB persistent data)
Interfaces	1 x RJ45 10/100 Mbit/s, 1 x bus interface

Bus interface	2 x RJ45 (switched)
Data transfer rates	100 Mbit/s
Diagnostics LED	1 x TC status, 1 x WD, 1 x error
Clock	internal battery-backed clock for time and date (battery behind the front flap, exchangeable)
Operating system	Windows Embedded Compact 7
Control software	TwinCAT 3 runtime (XAR)
I/O connection	E-bus or K-bus, automatic recognition
Power supply	24 V DC (-15 %/+20 %)
Current supply E-bus/K-bus	2 A
Max. power consumption	4 W
Max. power consumption (with loading UPS)	9 W
Dimensions (W x H x D)	71 mm x 100 mm x 73 mm
Weight	approx. 230 g
Operating/storage temperature	-25...+60 °C/-40...+85 °C
Relative humidity	95 %, no condensation
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protection rating	IP20
Approvals/markings	CE, UL
TwinCAT 3 platform level	Economy (20); please see here for an overview of all the TwinCAT 3 platform level

Ordering Information

Ordering information	
CX8190	Ethernet Embedded PC

Options

Options	
CX1900-0123	1 GB microSD card, instead of 512 MB microSD card
CX1900-0125	2 GB microSD card, instead of 512 MB microSD card
CX1900-0127	4 GB microSD card, instead of 512 MB microSD card
CX1900-0129	8 GB microSD card, instead of 512 MB microSD card

Accessories

Accessories	
CX1900-0102	Spare battery suitable for CX10x0, CX81x0, CX5xxx, CX90x0, CX20xx – lithium button cell type CR2032, 3V/225 mAh – follow polarity when installing
CX1900-0122	512 MB microSD card
CX1900-0124	1 GB microSD card
CX1900-0126	2 GB microSD card
CX1900-0128	4 GB microSD card
CX1900-0130	8 GB microSD card

Urządzenia
mobilne

Laptopy

Komputery
stacjonarne /
MonitoryPłyty główne /
KomponentySieć / IoT
/ Serwery

Akcesoria

SKLEP

Wsparcie

g.c.

VT168H

Przegląd

Specyfikacje

Recenzje

Wsparcie

Wyświetlacz

Aspect Ratio : 16:9

Display Viewing Area (H x V) : 344.23 x 193.54 mm

Display Surface : Ekran odblaskowy

Backlight Type : Oświetlenie LED

Panel Type : TN

Viewing Angle (CR \geq 10, H/V) : 90°/ 65°

Pixel Pitch : 0,252 mm

Resolution : 1366 x 768 (WXGA)

Color Space (Adobe RGB) : Jeszcze niepotwierdzone

Color Space (Rec.2020) : Jeszcze niepotwierdzone

Brightness (Typ.) : 200 cd/m²

Response Time : 5ms(GTG)

ASUS Smart Contrast Ratio (ASCR) : 50 000 000:1

Display Colors : 260K

Response Time : 10 ms (Tr+Tf)

Refresh Rate (Max) : Maks. 75 Hz

Touch : Yes (PCAP Touch)

Protection Glass : Nie

Flicker-free : Tak

Cechy Wideo

Trace Free Technology : Tak

SPLENDID Technology : Tak

Color Temp. Selection : Yes(4 modes)

GamePlus : ND.

QuickFit : Yes

PIP / PBP Technology : ND.

HDCP : Yes

VRR Technology : ND.

Dark Boost : Tak

Low Blue Light : Yes

Cechy Audio

Speaker : No

Porty I/O

HDMI(v1.3) ND.

HDMI(v1.4) x 1

VGA x 1

Earphone Jack : Tak

PC Audio Input : ND.

Częstotliwość sygnału

Digital Signal Frequency : 30~80 KHz (H) / 50~76 Hz (V)

Analog Signal Frequency : 30~80 KHz (H) / 50~76 Hz (V)

Zużycie energii

Power Consumption : <7W

Power Saving Mode : <0.5W

Power Off Mode : <0.5W

Voltage : 100-240V, 50/60Hz

Projekt mechaniczny

Tilt : Yes (+30° ~ -5°)

Height Adjustment : No

VESA Wall Mounting : 75 x 75 mm

Kensington Lock : Tak

Wymiary

Phys. Dimension with Stand (W x H x D) : 377.8 x 280.7 x 189.
mm

Phys. Dimension without Stand (W x H x D) : 377.8 x 235.9 x 4. .

mm

Box Dimension (W x H x D) : 433.8 x 349.7 x 122 mm

Waga

Net Weight with Stand : 1.4 Kg

Gross Weight : 2.8 Kg

Akcesoria (dostępność zależy od regionu)

Kabel HDMI

Kabel micro USB

Kabel zasilania

Instrukcja szybkiego startu

Kabel VGA

Karta gwarancyjna

Zgodność z certyfikatami

TÜV Flicker-free

TÜV Low Blue Light

Note

Micro USB Port for touch signal use



- Produkty certyfikowane przez kanadyjską Federalną Komisję Łączności i Przemysłu będą rozpowszechniane w Stanach Zjednoczonych i w Kanadzie. Zapraszamy do odwiedzenia strony ASUS USA i ASUS Canada, gdzie znajdziesz informacje o lokalnej dostępności produktów.
- Wszystkie specyfikacje podlegają zmianom bez uprzedzenia. Skontaktuj się z dostawcą, aby uzyskać dokładną ofertę. Produkty mogą nie być dostępne na wszystkich rynkach.
- Specyfikacje i funkcje są zależne od modelu, a wszystkie zdjęcia mają charakter poglądowy. Aby uzyskać szczegółowe informacje, zapoznaj się ze specyfikacją.
- Kolory i dołączone oprogramowanie mogą ulec zmianie bez wcześniejszego powiadomienia.
- Wymienione nazwy marek i produktów są znakami towarowymi poszczególnych firm.
- Terminy HDMI, HDMI High Definition Multimedia Interface oraz logo HDMI są znakami towarowymi lub zarejestrowanymi znakami towarowymi HDMI License Administrator, Inc. w Stanach Zjednoczonych i innych krajach.
- Rzeczywista prędkość transferu USB 3.0, 3.1, 3.2 i / lub Type-C zależy od wielu czynników, w tym szybkości przetwarzania przez dane urządzenie, atrybutów innych czynników związanych z konfiguracją systemu i środowiskiem operacyjnym.

Darmowa dostawa
 Bezpłatna dostawa przy zakupach powyżej 500 zł

Wsparcie przy zakupach
 Skontaktuj się przez email, chat lub telefon

Łatwe zwroty
 Zwrot bezpłatnie produkty w ciągu 14 dni

Bezpieczne płatności
 Szyfrowanie dla zapewnienia pełnego bezpieczeństwa

Komputery stacjonarne / Monitory Monitory Dotykowe VT168H

Dowiedz się więcej i kup

Urządzenia mobilne

Mini PC

Smartfony

Płyty główne / Komponenty

Laptopy

Płyta główna

Dla domu

Karty graficzne

Do pracy

Obudowa gamingowa

Dla twórców

Zasilacze

Do gier

Karty dźwiękowe

Komputery stacjonarne / Monitory

Napędy optyczne

Monitory

Przechowywanie danych

Projektory

Sieć / IoT / Serwery

Komputery All-in-One

Routery WiFi

Komputery typu tower

System Wi-Fi dla całego domu

Przełączniki sieciowe

Akcesoria

Klawiatury

Zestawy słuchawkowe i audio

Zestawy do streamowania

Odzież, torby i wyposażenie

Adaptery i ładowarki

Stacje dokujące, przejściówki i kable

Power Banki

Dowiedz się więcej

ASUS - Biuro Prasowe

Promocje

Powered by ASUS

ProArt LCD

Wsparcie techniczne

Współpraca

Napisz do nas

MyASUS

Security Advisory

Filmy wsparcia ASUS

O firmie ASUS

O firmie ASUS

Wiadomości

Nagrody

ASUSTOR Inc.

ASUS Cloud Corporation

Unimax Electronics Inc.

Regulamin sklepu

Społeczność

