

Item no.: 375242

## SHUTTLE BPCWL02 i5WA Intel Core i5-8365UE 8GB DDR4 SODIMM 250GB SSD Intel UHD Gr

from 1.344,39 EUR

Item no.: 375242  
shipping weight: 4.00 kg  
Manufacturer: Shuttle



### Product Description

FANLESS SHUTTLE BOX PC SYSTEM WITH INTEL CORE ULV PROCESSOR IN ROBUST HOUSING Shuttle's new generation BPCWL0x series of Box PCs are robust, fanless industrial PCs with modular expansion options. BPCWL02-i5WA Industry is a fixed configuration with Windows operating system and a selection of pre-installed I/O extensions for a wide range of applications in the industrial sector. ROBUST HOUSING- Fanless cooling system - Robust aluminium/steel housing - Dimensions (LWH): 16.9 x 24.5 x 5.7 cm (2.7 L) - Net weight: 2.85 kg- Operating temperature: 0 - 40 °C - Permissible humidity: 0 - 90 % (non-condensing) - Protection class: IP30 - Mounting options: VESA 75x75 mm, Ear Mount 256x100 mm and DIN Rail OPERATING SYSTEM- Windows 10 IoT Enterprise LTSC Value (64-bit) PROCESSOR- Intel Core i5-8365UE, 4 cores, 8 threads, 1,6-4.1 GHz, 6 MB cache- "Whiskey Lake" ULV processor, 15 W TDP- Integrated Intel UHD 620 graphics function RAM/SSD MEMORY- 8 GB DDR4 RAM memory (2x 4 GB)- 250 GB M.2-2280 SSD flash memory (PCIe / NVMe) CONNECTORS FRONT \*\*) - 2x COM (RS232/422/485) - 4x USB 2.0 - VGA D-Sub port CONNECTORS REAR- HDMI 1.4 - 4x USB 3.2 Gen 1 - DUAL Gigabit LAN (Intel i219LM/i211)- COM (RS232) - Microphone input and line-out (Realtek ALC662)- DC input (SpG.range: 9-36V) - Power button OTHER EQUIPMENT- Hardware TPM v2.0 Infineon SLB9670VQ2 onboard- AMI BIOS, 32 MB SPI ROM supports Intel vPro and ATM functions POWER SUPPLY- External 90W/19V power supply- AC input: 100-240V 50-60 Hz, 3-pin connector- The box PC supports a wide DC input voltage range from 9 to 36V - Fixed configuration: BPCWL02-i5WA Industry IoT - Processor: Intel Core i5-8365UE - Operating system: Windows 10 IoT - M.2-SSD: 250 GB- RAM: 8 GB- Operating temp.: 0 ~ +40 °C - EAN: 4046047103669 FANLESS AND QUIET- Equipped with passive cooling, therefore no fan noise- Ideal for noise-sensitive environments- Less contamination from dust - therefore practically maintenance-free 24/7 CONTINUOUS OPERATION- This device is officially approved for 24-hour continuous operation (24/7). - Prerequisite: Free air circulation in the PC's environment. HOUSING- Durable and robust housing made of aluminium and steel.- Passive cooling system with specially designed cooling fins ensures maximum heat dissipation.- Dimensions: 16.9 x 24.5 x 5.7 cm (LWH) = approx. 2.7 litres- Weight: approx. 3.0 kg net- Protection class: IP30 OPERATING POSITION AND MOUNTING (1) The appliance can be placed horizontally on its feet. (2) The device can be mounted using a 75 mm x 75 mm VESA bracket. To do this, four M4x6L screws are screwed into the housing from above. (3) The device can be attached using two 256 mm x 100 mm ear-mount brackets. To do this, four M3x6L screws are screwed into the housing from below. (4) Mounted on a standard 35 mm top-hat rail (DIN rail), e.g. in a control cabinet Notes: The VESA mount, ear mount and DIN rail clip are not included in the scope of delivery. Vertical mounting is permitted in any orientation. BETRIEBSSYSTEM- Windows 10 IoT Enterprise LTSC Value (64-Bit) PROZESSOR- Modell: Intel Core i5-8365UE (ULV)- System-on-a-chip Architektur (SoC) mit integriertem Speicher- und Grafikcontroller- FCBGA1528-Gehäuse - direkt auf das Mainboard gelötet- Codename: Whiskey-Lake-U (8. Generation Intel Core)- Cores / Threads: 4 / 8- Clock speed: 1.6 GHz, Turbo clock: 4.1 GHz- L3 Smart Cache: 6 MB- Power dissipation (TDP): max. 15 W- Manufacturing process: 3rd generation 14nm++ INTEGRATED GRAPHICS- Intel UHD Graphics 620- Graphics clock frequency: 300-1050 MHz- Execution units (EUs): 24- This box PC supports two independent displays via HDMI 1.4 and VGA. UEFI BIOS- Supports resume after power failure- Supports Wake on LAN (WOL)- Supports power on by RTC alarm- Supports booting from M.2 SSD cards and USB devices. SSD cards and USB devices- AMI BIOS in 32 MB EEPROM with SPI interface- Supports hardware monitoring and watchdog function- Supports the Unified Extensible Firmware Interface (UEFI) INTEL VPRO/AMT- Supports Intel® vPro™ and AMT- Intel® vPro™ is a brand name for certain management and security technologies. Intel® Active- Management Technology (AMT) is a part of vPro. This technology enables remote PC management - even when the PC is switched off or the operating system is defective. The virtual check and recovery of AMT platforms in the network can increase the availability of PCs and reduce maintenance costs.- Note: Intel vPro requires suitable software.- The Intel® MEBX user interface is called up by pressing CTRL-P at the start of the boot process.- The Intel® MEBX user interface is called up by pressing CTRL-P at the start of the boot process. Only the Intel i219 network port (yellow) supports the Intel vPro@function. TPM-MODULE- Hardware Trusted Platform Module (Infineon SLB9670VQ2 TPM 2.0) POWER SUPPLY- External 90 W power supply unit (fanless)- Input: 100-240 V AC, 50/60 Hz- Output: 19 V DC, 4.74 A, max. 90 W- DC plug: 5.5/2.5 mm (outer/inner diameter)- AC cable: 3-pin, approx. 1.8 m long, with C5/C6 cloverleaf plug connection to the power supply unit and CEE-7/7 plug with earthing contact (type E+F) for connection to the socket DC INPUT: 9-36V- DC input with extended voltage range: 9-36 V- DC connector: 5.5 / 2.5 mm (outer/inner diameter) RAM MEMORY- 8 GB DDR4 SO-DIMM memory (260 pins)- Supports maximum 32 GB per slot, total capacity maximum 64 GB M.2-SSD- 250 GB SSD card in M.2-2280 format - Supports PCI Express format- Supports PCI-Express with NVMe SOUND FUNCTION- Audio Realtek® ALC662 or ALC888S High-Definition Audio- Two analogue 3.5 mm audio connectors on the rear: 1) 2-channel line-out (headphones) 2) Microphone input- Digital multi-channel audio output via HDMI and optional DisplayPort DUAL GIGABIT LAN- Two RJ45 network connections- Network chips used: 1) Intel i211 Ethernet controller with MAC, PHY and PCIe interface 2) Intel i219LM PHY connected to the MAC of the processor- Supports 10 / 100 / 1000 Mbit/s data transfer rate- Supports WAKE ON LAN (WOL)- Supports booting from the network via Preboot eXecution Environment (PXE)- Supports teaming mode CONNECTIONS BACKPANEL- Power button- HDMI 1.4- 4x USB 3.2 Gen 1 Type A (max. 5 Gbps)- 2x Intel Gigabit LAN (RJ45, i211/i219LM)- Serial COM port (RS232)- Microphone input (3.5 mm)- Audio line-out / headphones (3.5 mm)- DC input for external power supply (DC input supports 9-36V) CONNECTORS FRONT- 2x COM port (supports RS232/422/485)- 4x USB 2.0- 1x VGA D-Sub port OPTIONAL ACCESSORIES 1) Ear mount brackets (mounting dimensions: 256 mm x 100 mm) 2) WLAN 802.11n/ac and BT 4.0 (RTL8821CE) with two external antennas ENVIRONMENTAL PARAMETERS- Permissible operating temperature range: 0-40 °C- Relative humidity, non-condensing: 0-90 % CONFORMITY AND CERTIFICATES- EMI: CE, FCC Class A, VCCI, RCM, BSMI- Safety: CB, cTUVus, BSMI- Other: RoHS, ErP, CEC- This device is categorised as Class A information technology equipment (ITE) and is primarily intended for use in commercial and industrial environments. The CE mark confirms conformity with the following EU directives: (1) Directive 2014/30/EU on electromagnetic compatibility (EMC), (2) Directive 2014/35/EU on the safety of electrical equipment (LVD), (3) Directive 2009/125/EC on the ecodesign of energy-related products (ErP)

**Scan this QR code to  
view the product**  
All details, up-to-date  
prices and availability

