

Item no.: 375249

P92U WHITE - XPC AIO Barebone 49.5cm 19.5inch Intel Celeron 5205U 2x32GB

from **754,02 EUR**

Item no.: 375249
shipping weight: 5.70 kg
Manufacturer: Shuttle



 Product Description

The Shuttle XPC all-in-one P92U is an All-in-One PC with a capacitive touchscreen in 19.5-inch format. An Intel "Comet Lake-U" ultra-low-voltage processor ensures high computing power with low power consumption. Thanks to completely passive cooling, the system is practically noiseless, maintenance-free and suitable for 24/7 continuous operation. Also ideal for applications in vertical markets is the arrangement of most connections on the underside of the housing and the resistance of the front to dust and splash water in accordance with protection class IP54. Fanless and quiet- Passive heatpipe cooling, 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). - Requirements: Free air circulation around the PC- Freely accessible ventilation holes on the device. If a hard disk is installed, this must also be approved by the manufacturer for 24/7 operation. IP54 protection class- The front of the device is protected against dust and splash water in accordance with protection class IP54. Housing- Colour: black or white- Dimensions: 487 x 321 x 44 mm (WxHxD) - 100 mm VESA mounting- Mounting hole for Kensington Lock- Weight: 4.29 kg net, 5.62 kg gross Operating system- This system is supplied without an operating system.- It is compatible with: Windows 11 - 64-bit, Windows 10 - 64-bit, Linux - 64-bit Touchscreen- Screen with touch function for touch input with a finger- Capacitive touchscreen with 10-point multi-touch support- Supports operation with gloves (PVC, cotton, linen)- Does not support a stylus pen- 49.5 cm display (19.5")- 49.5 cm / 19.5" LCD display- Aspect ratio: 16:9 Widescreen- Auflösung: 1600 x 900 = 1,4 Megapixel (WSXGA/HD+) Prozessor- Modell: Intel Celeron 5205U (ULV)- System-on-a-chip Architektur (SoC) - kein Chipsatz erforderlich- FCBGA1528- Gehäuse - direkt auf das Mainboard aufgelötet- Codename: Comet Lake-U (10. Generation Intel Core)- Cores / Threads: 2 / 2- Clock speed: 1.9 GHz- L1/L2/L3 cache: 256 kB / 1 MB / 2 MB- Memory controller: DDR4-2400 Dual Channel (1.2 V)- Power dissipation (TDP): max. 15 W- Manufacturing process: 14 nm- Maximum junction temperature: 100 °C- Supports 64-bit, VT-x (EPT), VT-d, Enhanced SpeedStep, NX-Bit, AES-NI, SSE 4.1/4.2 Integrated graphics function- Intel UHD Graphics 610- Graphics clock frequency: 300-900 MHz- Execution units (EUs): 12- Supports DirectX 12- Supports H264, H265 8/10-bit, VP8/9, VC-1, AVC hardware decoding- Supports Quick Sync Video and Clear Video HD technology Up to three displays simultaneously- Two video outputs support two additional independent monitors 1) HDMI 1.4b supports 1920 x 1080 @ 60 Hz or 3840 x 2160 @ 30 Hz 2) VGA / D-Sub analogue video supports 1920 x 1080 @ 60 Hz - In multi-monitor mode, the following conditions apply:- In clone mode, all displays show the same image in 1600 x 900 resolution.- In extended mode, all displays can show different content. In extended mode, all displays can show different content. BIOS- AMI BIOS in 8 MByte EEPROM with SPI interface- Supports the function "Switch on after power failure" and "always on"- Supports Wake-on-LAN (WOL) from the S3, S4, S5 ACPI modes- Supports hardware monitoring and watchdog function- Supports firmware TPM v2.0 function Memory support- 2x SO-DIMM slot with 260 pins- Supports DDR4-2400 (PC4-19200) SDRAM with 1.2 V- Supports dual-channel mode- Supports maximum 32 GB per slot, Total capacity maximum 64 GB- Supports unbuffered DIMM modules (no ECC or registered) 2.5" bay for hard drive / SSD- Supports one SATA hard drive or one SATA SSD drive in 6.35 cm / 2.5" format- The SATA 3.0 interface supports up to 600 MB/s data rate (6 Gbit/s)- Supports a drive with a height of up to 12.5 mm- Pre-installed SATA cable available M.2-2280-Slot The M.2 2280 BM slot offers the following interfaces: PCI-Express Gen. 2.0 x4 data transfer speed SATA v3.0 (max. 6 Gbit/s)- M.2 plug-in cards used must be 22 mm wide 80 mm long (= type 2280).- Supports M.2 SATA SSDs (with B+M key) and M.2 PCIe SSDs (with M-Key) Cardreader- Integrated card reader for reading and writing SD, SDHC and SDXC flash memory cards Webcam- Integrated camera module with Full HD resolution (1920 x 1080)- Microphone and speakers- Condenser microphone and 2x 2 W speakers are integrated in the housing Audio function- C-Media CM6542 (USB) or Realtek ALC269 (HD audio)- Two analogue 3.5 mm audio connections on the underside: 1) Line-out (headphones) 2) Microphone input Digital multi-channel audio output possible via HDMI. Network- Intel i211 Ethernet controller with MAC, PHY and PCIe interface- Supports 10 / 100 / 1,000 Mbit/s data transfer rate- Supports WAKE ON LAN (WOL) from S3 and S4 mode- Supports booting from network via Preboot eXecution Environment (PXE) Wireless network (WLAN)- Chipset: Realtek RTL8821CE-CG- M.2-2230 (NGFF) plug-in card- Connected with two internal antennas (via IPEX4)- Supports WiFi IEEE 802.11b/g/n/ac in the 2.4/5 GHz band, 1T1R- Max. 72.2 / 150 Mbit/s with 20 / 40 MHz bandwidth in n-mode- Max. 433.3 Mbit/s with 80 MHz bandwidth in ac-mode- Supports Bluetooth 4.2 in the 2.4 GHz band Front LEDs- Power indicator (blue)- Hard drive LED (orange) Connections on the left- On/off button- 2x USB 3.2 Gen 1 (max. 5 Gbit/s)- SD card reader- Hole with on/off button- Perforation for optional WLAN/LTE antenna (7 mm diameter) Bottom connections- HDMI 1.4b (supports digital video and digital audio)- 2x USB 3.2 Gen 1 (max. 5 Gbit/s)- 2x USB 2.0- Gigabit network (RJ45)- Audio line-out / headphones (3.5 mm jack socket)- Microphone input (3.5 mm jack socket)- Input for external power supply (5.5 / 2.5 mm)- Perforation for optional WLAN/LTE antenna (7 mm diameter)- Optional: 2x COM/serial (RJ45), DIO (RJ11) for cash drawer (POS01 accessory) Rear connections- VGA connection (D-Sub 15-pin., analogue video)- Optional: 2x COM/serial (D-Sub), 1x LPT/parallel (accessory: PCL71 or POS01) Connections onboard- Internal USB 2.0 type A connection for USB stick: (total length of USB stick max. 100 mm)- Serial ATA (6 Gbit/s)- Serial ATA power supply- 3x USB 2.0 connection (all occupied)- eDP connection (Embedded DisplayPort) - occupied by the display- Connection for optional COM/LPT adapter POS01 or PCL71- Holes for optional antennas- The housing has two perforated 7 mm holes- For mounting optional antennas with (RP) SMA connection- For wireless data transmission via WLAN or WWAN (e.g. LTE) - For wireless data transmission via WLAN or WWAN (e.g. LTE) - For wireless data transmission via WLAN or WWAN (e.g. LTE) - For wireless data transmission via WLAN or WWAN (e.g. LTE) - For wireless data transmission via WLAN or WWAN (e.g. LTE) - For wireless data transmission via WLAN or WWAN (e.g. LTE) e.g. LTE) Power supply unit- External 65 W power supply unit (fanless)- Input: 100-240 V AC, 50/60 Hz, max. 1.6 A- Output: 19 V DC, max. 3.42 A, max. 65 W- DC input- DC plug: 5.5 / 2.5 mm (outer/inner diameter)- The DC input of the computer supports a- external power supply with 12V±5% and 19V±5%. Included accessories- Quick start guide- Driver DVD- External power supply (65 W / 19V)- Power cable- Screws Optional accessories- PCL71: COM / LPT adapter: 1x parallel (25p D-Sub) supports 0 / 5 / 12V, 2x serial RS232 (9p D-Sub)- POS01: COM / LPT / RJ11 adapter: 1x Parallel (25p D-Sub) 2x Serial RS232 (9p D-Sub) supports 0 / 5 / 12V 2x Serial RS232 (8p RJ45) 1x DIO/RJ11 connection for cash drawer supports 12 / 24V- PNFC03: NFC module (only supports Windows 10, no Linux and transaction support)- Note: PNFC03 is only available on request Permitted environmental parameters- Operating temperature: 0-40 °C- Humidity: 10-90 % Certificates- EMI certificates: CE, RED, FCC, RCM, VCCI- Safety certificates: CB, ETL- Other conformities: RoHS, ErP Lot3, Energy Star v7.0 Conformity This device is categorised as Class B information technology equipment (ITE) and is primarily intended for use in residential and office 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/EU on the ecodesign of energy-related products (ErP) and (4) Directive 2014/53/EU on radio equipment and telecommunications equipment (RED)

Specifications

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