Item no.: 375252
P92U3 BLACK - XPC all-in-one P92U3

from **932,26 EUR**

Item no.: 375252
shipping weight: 5.90 kg
Manufacturer: Shuttle

📄 Product Description

The Shuttle XPC all-in-one P92U3 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 front's resistance to dust and splash water in accordance with protection class IP54.Fanless and quietPassive heatpipe cooling, no fan noiseIdeal for noise-sensitive environmentsLess contamination from dust - therefore virtually maintenance-free24/7 continuous operationThis device is officially approved for 24/7 continuous operation. Requirements:- Free air circulation in the area surrounding the PC- Freely accessible ventilation holes on the device.- If a hard disk is installed, it must also be approved by the manufacturerfor 24/7 operation.IP54 protection classThe front of the device is protected against dust and splash water in accordance with protection class IP54.HousingColour: Black or whiteDimensions: 487 x 321 x 44 mm (WxHxD) 100 mm VESA mountingMounting hole for Kensington LockWeight: 4.29 kg net, 5.62 kg grossOperating systemThis system is supplied without an operating system.It is compatible with:- Windows 11 - 64-bit- Windows 10 - 64-bit- Linux - 64-bitTouchscreenScreen with touch function for touch input with a fingerCapacitive touchscreen with 10-point multi-touch supportSupports operation with gloves (PVC, cotton, linen)Does not support stylus pen49.5 cm display (19.5")49.5 cm / 19.5" LCD displayAspect ratio: 16:9 widescreenResolution: 1600 x 900 = 1.4 megapixels (WSXGA/HD+)ProcessorModel: Intel Core i3-10110U (ULV)System-on-a-chip architecture (SoC) with integrated memory and graphics controllerFCBGA1528 package - soldered directly onto the mainboardCodename: Comet-Lake-U (10th generation Intel Core) Cores: Intel Core (ULV) Generation Intel Core)Cores / Threads: 2 / 4Base clock rate: 2.1 GHzMax. Turbo clock rate: 4.1 GHzIntel Smart Cache: 4 MBPower dissipation (TDP): max. 15 WManufacturing process: 14nmMaximum junction temperature: 100 °CSupports 64-bit, VT-x (EPT), VT-d, Enhanced SpeedStep, NX-bit, AES-NI, SSE 4.1/4.2Integrated graphicsIntel UHD Graphics 620Graphics clock frequency: 300-1000 MHzExecution units (EUs): 23Supports DirectX 12, OpenGL 4.5Supports H264, H265 8/10-bit, VP8/9, VC-1, AVC hardware decodingSupports Quick Sync Video and Clear Video HD technologyUp to three displays simultaneouslyTwo video outputs support two additional independent monitors1) HDMI 1.4b supports 1920 x 1080 @ 60 Hz or 3840 x 2160 @ 30 Hz2) VGA / D-Sub analogue video supports 1920 x 1080 @ 60 Hz The following conditions apply in multi-monitor mode:In clone mode, all displays show the same image in 1600 x 900 resolution.In extended mode, all displays can show different content.BIOSAMI BIOS in 8 MByte EEPROM with SPI interfaceSupports the function "Switch on after power failure" and "always on"Supports Wake-on-LAN (WOL) from the S3, S4, S5 ACPI modesSupports hardware monitoring and watchdog functionSupports firmware TPM v2.0 functionMemory support2x SO-DIMM slot with 260 pinsSupports DDR4-2666 (PC4-21300) SDRAM with 1.2 VSupports dual-channel modeSupports a maximum of 32 GB per slot, Total capacity maximum 64 GBSupports unbuffered DIMM modules (no ECC or registered)2.5" bay for hard drive / SSDSupports one SATA hard drive or one SATA SSD drive in 6.35 cm / 2.5" formatThe 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 mmPre-installed SATA cable availableM.2-2280-slotThe M.2 2280 BM slot offers the following interfaces:- PCI-Express Gen. 3.0 x4- SATA v3.0 (max. 6 Gbit/s)The M.2 plug-in cards used must be 22 mm wide and 80 mm long (= type 2280).Supports M.2 SATA SSDs (with B+M key) and M.2 PCIe SSDs (with M-Key)CardreaderIntegrated card reader for reading and writingfrom SD, SDHC and SDXC flash memory cardsWebcamIntegrated camera module with full HD resolution (1920 x 1080)Microphone and speakersCondenser microphone and 2x 2 W speakers are integrated in the housingAudio functionC-Media CM6542 (USB) or Realtek ALC269 (HD audio)Two analogue 3.5 mm audio connections on the underside: 1) Line-out (headphones)2) Microphone inputDigital multi-channel audio output possible via HDMI.NetworkIntel i211 Ethernet controller with MAC, PHY and PCIe interfaceSupports 10 / 100 / 1,000 MBit/s data transfer rateSupports WAKE ON LAN (WOL) from S3 and S4 modeSupports booting from the network via Preboot eXecution Environment (PXE)Wireless network (WLAN)Chipset: Realtek RTL8821CE-CGM.2-2230 (NGFF) plug-in cardConnected with two internal antennas (via IPEX4)Supports WiFi IEEE 802.11b/g/n/ac in the 2.4/5 GHz band, 1T1RMax. 72.2 / 150 Mbit/s with 20 / 40 MHz bandwidth in n-modeMax. 433.3 Mbit/s with 80 MHz bandwidth in ac modeSupports Bluetooth 4.2 in the 2.4 GHz bandFront LEDsPower indicator (blue)Hard drive LED (orange)Connections on the leftOn/off button2x USB 3.2 Gen 1 (max. 5 Gbit/s)SD card readerHole with on/off buttonPerforation for optional WLAN/LTE antenna (7 mm diameter)Bottom connectionsHDMI 1.4b (supports digital video and digital audio)2x USB 3.2 Gen 1 (max. 5 Gbit/s)2x USB 2.0Gigabit 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 connectionsVGA connection (D-Sub 15-pin., analogue video)Optional: 2x COM/serial (D-Sub), 1x LPT/parallel (accessory: PCL71 or POS01)On-board connectionsInternal 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 supply3x USB 2.0 connection (all occupied)eDP connection (Embedded DisplayPort) - occupied by the displayConnection for optional COM/LPT adapter POS01 or PCL71Holes for optional antennasThe housing has two perforated 7 mm holesfor mounting optional antennas with (RP) SMA connectionfor wireless data transmission via WLAN or WWAN (e.g. LTE) 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).e.g. LTE)Power supply unitExternal 65 W power supply unit (fanless)Input: 100-240 V AC, 50/60 Hz, max. 1.6 AOutput: 19 V DC, max. 3.42 A, max. 65 WDC inputDC plug: 5.5 / 2.5 mm (outer / inner diameter)The DC input of the computer supports anexternal power supply with 12V±5% and 19V±5%.Accessories includedQuick start guideDriver DVDExternal power supply (65 W / 19V)Power cableScrewsOptional accessoriesPCL71: 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 / 24VPNFC03: NFC module (only supports Windows 10, no Linux and transaction support)- Note: PNFC03 is only available on requestPermitted environmental parametersOperating temperature: 0-40 °CHumidity: 10-90 %CertificatesEMI certificates: CE, RED, FCC, RCM, VCCISafety certificates: CB, ETLFurther conformities: RoHS, ErP Lot3, Energy Star v7.0ConformityThis 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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