

Item no.: 375285

XH610 - XPC slim

from 352,26 EUR Item no.: 375285 shipping weight: 3.20 kg Manufacturer: Shuttle



Product Description

The Shuttle XPC slim Barebone XH610 is a true space miracle - the robust steel case can be equipped with an optical drive, two 2.5" drives and an M.2 SSD. Choose a powerful Intel Core desktop processor with socket LGA1700 *). The built-in heatpipe cooling system ensures quiet and reliable operation. The variety of connections allows a wide range of applications from standard office PCs to industrial applications. The system supports two digital displays with Ultra HD resolution, one VGA display, two Intel network connections applications from standard office PCs to industrial applications. The system supports two digital displays with Ultra HD resolution, one VGA display, two Intel network connections (2.5G + 1G), four USB 3.2 Gen 1 and four USB 2.0 ports and up to five COM ports. Who needs a bulky ATX tower PC with all this equipment?*) A BIOS update may be necessary for Intel Core Gen13 and Gen14 (to be carried out with a compatible processor) Case- Flat 3.5 litre case, colour: black- Dimensions: 23.8 x 20 x 7.25 cm (LBH without rubber feet) approx. 3.5 litres- Height with rubber feet: approx. 7.33 cm- Weight: 2.2 kg net, 3.5 kg gross- Open front - without cover flaps for optical drive and front panel connections- Opening for the Kensington Lock on the rear of the device- Operating position horizontal or vertical with the optional stand PS01Power supply- External 120 W power supply (fanless)- Input: 100-240 V AC, 50/60 Hz- Output: 19 V DC, max. 6.32 A, max. 120 W output power- 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- Note: The DC input of the computer supports an external power supply with 12V±5% and 19V±5%. Operating system- This system is supplied without an operating system. It is compatible with Windows 10/11 and Linux (64 bit)Processor support- Processor socket LGA1700- Supports Intel Core i9 / i7 / i6 / i3, Pentium Gold and Celeron processors-Supports the following generations of Intel Core processors:Gen 12 "Alder Lake-S" Gen 13 "Raptor Lake-S" since BIOS version 206 available since Jan'24 *)- Intel-7 technology (10 nm)- Supports only processor with integrated graphics [5]- Maximum supported processor power dissipation (TDP) = 65 W.- Does not support the unlock function of Intel processors of the K series. The processor integrates the controllers for PCI Express and memory and the graphics function on the same semiconductor chip(The performa (PC4-25600/23466/21300/19200/17000) SDRÁM with 1,2 V- Súpports dual-channel mode- Supports a maximum of 32 GB per slot- Maximum total capacity 64 GB- Supports unbuffered DIMM modules (no ECC or registered)Integrated graphics function- The features of the integrated Intel UHD graphics function- depend on the processor type used [5]. The PC offers three video outputs:1x HDMI v2.0b (supports 1080p/60 and 2160p/60)1x DisplayPort v1.4a (supports 1080p/60 and 2160p/60)1x Analogue VGA (15-pin D-Sub, supports 1080p/60)- Supports three independent displays simultaneously via the integrated graphics function. DisplayPort and HDMI support multi-channel digital audio via the same cable.5.1-channel sound- Audio Realtek® ALC 897/662/888 High-Definition Audio- Three analogue 3.5mm audio connectors on the rear:1) Line-out front (headphones)2) Line-out rear (switchable to microphone input)3) Line-out centre (switchable to line-in)- Digital audio output via HDMI and DisplayPort possibleDual network controller- Two RJ45 network connections, each with two status LEDsyellow LED: Lights up when data transfer is activeGreen LED for speed mode: off at 10 Mbit/s, lights up at 100 Mbit/s and higher- Network chips used:1) Intel 225 supports 100 / 1.000 / 2,500 MBit/s data transfer rate2) Intel 219LM supports 10 / 100 / 1,000 MBit/s data transfer rate- PCle interface- Supports WAKE ON LAN (WOL)- Supports booting from the network via Preboot eXecution Environment (PXE)-M.2-2280M SSD solot offers the following interfaces:PCl-Express Gen. 3.0 X4 supports NVMeSATA v3.0 (max. 6 Gbit/s)- The M.2 2280M slot used must be 22 mm wide and have the following interfacesplug-in cards used must be 22 mm wide and can have a length of 42, 60 or 80 mm (type 2242, 2260, 2280). Supports M.2 SSDs with SATA or PCl Express interfaceM.2-2230E slot for WLAN cards- Interfaces: PCl-Express Gen. 2.0 X1 and USB 2.0- Used M.2-2230-plug-in cards used must be 22 mm wide and 30 mm long (type 2230)- Supports WLAN expansion cards- Optional Shuttle accessories: WLN-M / WLN-(kybe 2230)- Supports WLAN expansion cards- Optional Shuttle accessories: WLN-M/ WL-M1 [4]Connections for drives- 3x Serial ATA connection, max. 6 [6]/s- Supports NCQ and AHCIDI'ive bay5This system has three drive bays:1) supports an optical drive in 5.25° slimit in format with 12.7 mm height - can also be used for a 2.5° drive? 2.5° slot at the bottom supports a 2.5° drive? 4.5° drive with max. 12.5 mm height[3] 2.5° slot at the bottom supports a 2.5° drive? 4.5° drive with max. 9.5 mm height[1] for optical slimiline drive - screws for one optical slimiline drive-screws for two 2.5° drives. 12.5° drives. 12.5° drive with max. 9.5° drive with max. 9.5 mm height[1] for optical slimiline drive - screws for one optical slimiline drive-screws for two 2.5° drives. 12.5° drives. 12.5° drive with max. 9.5 mm height[1] for optical slimiline drive-screws for two 2.5° drives. 12.5° drives. 12.5° drive with max. 9.5 mm height[1] for optical slimiline drive-screws for one optical slimiline drive-screws for optical slimiline drive-screws for two 2.5° drives. 12.5° drive with max. 9.5 mm height[1] for optical slimiline format. 400 for optical slimiline drive-screws for slimiline driv are only operated in single-link mode, i.e. with max. 1920x1200x60 HzConversely, a monitor with DisplayPort cannot be connected to the HDMI output via a simple, passive adapter.[3] Optional COM port accessory PCM31Add three additional COM ports to the front of this PC, but you will no longer be able to install an optical drive.[4] Optional wireless LAN module: this Slim PC can be optionally upgraded with WLAN/Bluetooth functionality. Shuttle offers the matching accessory kits "WLN-M" and "WLN-M1", consisting of a WLAN LAN module: this Slim PC can be optionally upgraded with WLAN/Bluetooth functionality. Shuttle offers the matching accessory kits "WLN-M" and "WLN-M1", consisting of a WLAr card in M.2-2230format and two external antennas with matching antenna cables. [5] Intel processors without integrated graphics function, recognisable by the letter "F" in the processor designation, e.g. Core i7-12700F, are not compatible. [6] 12V power supply for SATA drives The supplied power cables for SATA drives provide a 5V line. In rare cases, however, 2.5" hard drives also require a 12V line (e.g. Seagate Constellation® series) - this is not supported as standard (only by means of an adapter, which is included with the PHD4).[7] High ambient temperatureSSD drives are recommended instead of hard drives for high ambient temperatures above 40°C.[8] The optional PHD4 accessory enablesthe installation of a hard drive in 3.5" format. Additional drives (slimline DVD or 2.5" hard disk/SSD) then have no more space.[9] XH610(V)supports Intel Core processors of the 12th/13th/14th generationThe Shuttle XPC cube XH610 / XH610V supports Intel Core desktop processors with Socket LGA1700. Generation 12 (Alder Lake-S) is supported from the start. Generation 13 (Raptor Lake-S) is supported since BIOS version 203. Generation 14 (Raptor Lake-S Refresh) has been supported since BIOS version 206. Attention: if a BIOS update is necessary, the PC must first be started with a compatible processor. Download website: https://global.shuttle.com/support/download.

Specifications

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