Item no.: 398570

DS50U3 - Barebone XPC slim Intel Core i3-1315U 2xSODIMM DDR4 2xM.2 1xSATA

from **550,30 EUR**

Item no.: 398570
shipping weight: 2.30 kg
Manufacturer: Shuttle

📄 Product Description

XPC slim DS50U3Compact 1.3-litre PC in industrial design with ULV processorThe DS50U series comprises slim, fanless barebone PCs in a robust metal housing with versatile connectivity options. The soldered Intel Gen12/13 ULV processor offers sufficient performance for the playback of 2160p/60 videos in 4K resolution. Two digital connections for UHD displays and a traditional VGA port are available. Components are easy to install: two DDR5 memory modules, a 2.5" drive and two M.2-2280 SSD cards can be accommodated behind the practical housing cover. A 4G/5G module can also be optionally integrated in the second M.2 slot with the WWN04 adapter kit. Thanks to completely passive cooling, the system is practically maintenance-free, suitable for 24/7 continuous operation and also very energy-efficient. It is ideal for professional applications such as digital signage, POS, control, office or as a media PC.Fanless and quiet- Passive cooling, no fan noise- Ideal for noise-sensitive environments- Less contamination from dust - therefore virtually maintenance-free24/7 continuous operation- This device is officially approved for 24-hour continuous operation (24/7).Requirements:Free air circulation around the PCFreely accessible ventilation holes on the device.If a hard disk is installed, this must also have been approved for 24/7 operation by the manufacturer.Housing- Slim PC (nettop) with black steel housing- Without fan, complete with passive cooling- The installation slot for memory modules, 2.5" drive and M.2 cards - Are easily accessible.cards- are easily accessible behind two cover plates- Dimensions: 20 x 16.5 x 3.95 cm (LWH) = 1.3 litres- Weight: 1.6 kg net and 2.3 kg gross- Two openings for Kensington Lock and numerous- M3 threaded openings on both sides of the housing.Operating position:1) Vertical: The device is usually operated in an upright position using the supplied stand (DisplayPort connection facing upwards).2) VESA mount: Use the supplied VESA mount to install the device behind a suitable monitor, for example.Operating system- This barebone system is supplied without an operating system.- It is compatible with Windows 10/11 (Windows 10/11). It is compatible with Windows 10/11 (64-bit) and Linux (64-bit).Processor- Model: Intel Core i3-1315U- Codename: Raptor Lake-U (13th generation Intel Core)- Performance cores (P-cores): 2 cores (4 threads), base/turbo clock: 1.2-4.5 GHz- Efficiency cores (E-cores): 4 cores (4 threads), base/turbo clock: 0.9-3.3 GHz- Smart cache (L3): 10 MB- Power dissipation (PL1 TDP): max. 15 W- Maximum junction temperature: 100 °C- System-on-a-chip architecture (SoC) with integrated memory and graphics controller- BGA1700 housing - soldered directly onto the mainboard- Manufacturing process: Intel 7 process (improved 10 nm process)Integrated graphics- Intel UHD Graphics- Graphics clock frequency: max. 1250 MHz- Execution Units (EUs): 64- Supports up to three independent displays1) DisplayPort 1.4 supports Ultra HD @ 60 Hz2) HDMI 2.0b supports Ultra HD @ 60 Hz3) D-Sub/VGA supports analogue displaysMainboard / BIOS- Proprietary mainboard especially for the DS50U series- Supports resume after power failure [2]- Supports Wake on LAN (WOL)- Supports power on by RTC alarm- Supports booting from M.2SSD cards and USB devices- AMI BIOS in 32 MByte EEPROM with SPI interface- Supports hardware monitoring and watchdog function- Supports the Unified Extensible Firmware Interface (UEFI)- Supports firmware TPM (fTPM) version 2.0Power supply- External 90 W power supply (fanless)- Input: 100-240 V AC, 50/60 Hz, max. 1.6 A- Output: 19 V DC, max. 4.74 A, max. 90 W- Length of DC cable: approx. 170 cm- Length of AC mains cable: approx. 170 cm (3-pin with C6 cloverleaf and Schuko plug)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%.Memory support- 2x SO-DIMM slot with 262 pins- Supports DDR5-5200 (PC5-41600) SDRAM with 1,1 V- Also supports memory modules with a higher frequency specification- Supports dual-channel mode- Supports a maximum of 32 GB per slot- Maximum total capacity of 64 GB- Supports unbuffered DIMM modules (no ECC or registered)- Two thermal pads for the RAM modules are included in the scope of delivery2,5" drive bay with SATA connection- Supports one Serial ATA hard drive or one SATA SSD drive in 6.35 cm / 2.5" format- Drive height max. 9.5 mm- Supports Serial ATA III, 6 Gb/s (600 MB/s) data transfer rate- Supports the Unified Extensible Firmware Interface (UEFI)- Note: A SATA cable is not required.Two M.2-2280-Slots for SSD cards- This product has two M.2-2280 Key-M slots- M.2 cards with 22 mm width and 80 mm length are supported (type 2280)- One M.2 SSD card with PCIe/NVMe interface is supported- The second M.2 SSD card must have a SATA interface.SSD card must have a SATA interface- the second slot can also be used for the optional WWN04 kit to install a 4G/5G network module.M.2 slot for WLAN cards- Slot: M.2-2230 type E- Interfaces: PCI-Express Gen. 3.0 X1 and USB 2.0- The M.2-2230 plug-in cards used must be 22 mm wide and 30 mm long (type 2230)- The device has two pre-installed antenna cables.- A WLAN expansion card in M.2-2230 format and two WLAN antennas are required for the WLAN function.- Optional Shuttle accessories for the WLAN function. Optional Shuttle accessories: WLN-M1Sound function- Audio Realtek® ALC888S High-Definition Audio- Two analogue 3.5 mm audio connections on the front: 1) 2-channel line-out (headphones)2) Microphone input- Digital multi-channel audio output via HDMI and DisplayPortDual network connections (2.5G + 1G)- Two RJ45 network connections- Network chips used:1) left: Intel i219 Ethernet controller supports 1,000 / 100 / 10 MBit/s data transfer rate2) right: Intel i226 Ethernet controller supports 2,500 / 1,000 / 100 MBit/s data transfer rate- Supports WAKE ON LAN (WOL)- Supports booting from the network via Preboot eXecution Environment (PXE)Ports/buttons on the front- 4x USB 3.2 Gen 1 (max. 5 Gbit/s, blue)- 2x USB 3.2 Gen 2 (max. 10 Gbit/s, red)- Microphone input- Audio line-out (headphones)- On/off button- Power indicator LED (blue)- Hard drive LED (yellow)Rear connections- DisplayPort 1.4 [3]- HDMI 2.0b- D-Sub/VGA- 2x USB 2.0 (black)- 2x Intel RJ45 network (left: 1 Gbit/s and right: 2.5 Gbit/s)- Serial COM port (5V / 12V, switchable: RS232 / RS422 / RS485) [1]- DC input for external power supply- Four-pin connector (2.54 mm pitch) for power button, Clear CMOS and 5 V DC [4]- 2x connectors for external WLAN antennasAlways-On-Jumper- If you remove jumper JP1 (see quick guide), the PC will start unconditionally as soon as the power supply is established. [2]Scope of delivery- Multilingual installation guide- Two metal feet with four M3 x 7 mm screws- VESA bracket for 75/100 mm standard (two metal brackets)- Four M3 x 7 mm screws (connects VESA bracket to PC)- Four M4 x 10 mm screws (connects VESA bracket to external mounting)- Two M3 x 5 mm screws for mounting a 2,5" drive- Two M3 x 5 mm screws for mounting M.2-cards- 4x thermal pad for cooling optional components:2x for M.2SSD card (approx. 70 x 20 x 4 mm)2x for RAM module (approx. 50 x 15 x 2 mm and 60 x 20 x 1 mm)- Driver DVD for Windows- External 90W power supply unit with mains connection cable (with earthing contact)Optional accessories- PCP11: Adapter cable for a second COM port (replaces the VGA port)- CXP01: Adapter cable for an external power button- WLN-M1: WLAN module (supports WLAN/Bluetooth) with two external antennas and cables- PRM01: 2U rack panel for two Shuttle XPC slim- DIR01: DIN rail mounting kit (for 35 mm DIN rails)- WWN04: 4G/5G kit with antennas - enables the use of an optional 4G/5G card in the M.2-format and a nano SIM cardEnvironmental parameters- Permissible operating temperature range: 0-40 °C [5]- Relative humidity, non-condensing: 10-90 %Conformity and certificates- EMI: CE, FCC, BSMI, RCM, VCCI- Safety: CB, BSMI, cTUVus- Other: RoHS, Energy Star, ErP- 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/EC on the ecodesign of energy-related products (ErP)Notes:[1] Jumper for COM port configuration:Pin 9 of the two COM ports is a multifunctional connection. The mainboard jumper JP2 can be used to configure whether pin 9 is switched as a "RingIndicator" (RI) or provides an external power supply of5 V or 12 V. Both COM ports can be configured individually.The COM 1 connection can be set to either RS232, RS422 or RS485 in the BIOS setup.The second COM port (COM 2) only supports RS232 mode. The connection is only available on the mainboard in the standard configuration of this product. To route this interface to the outside as a D-Sub connection, you need the appropriate adapter (e.g. the optional accessory PCP11) and you have to do without the VGA connection.[2] Automatic switch-on after power failure:In the BIOS setup under "Power Management Configuration" there is the function "Power-on after Power Fail", which defines how the PC reacts after a power failure. In principle, however, this function can fail in the event of very short power failures, meaning that this product also has a pure hardware solution. If jumper J9 is removed (see quick guide), the PC will start as soon as the power supply is restored.[3] Convert DisplayPort to HDMI/DVIThe DisplayPort output can be converted to HDMI or DVI using an inexpensive, passive adapter cable. For example:DELOCK 82590: 1m, DisplayPort (male, 20P) to HDMI-A (male, 19P)DELOCK 82435: 5m, DisplayPort (male, 20P) to DVI-D (male., 24P)The integrated graphics function recognises the characteristics of the connected display and outputs the appropriate electrical signal - either DisplayPort (without adapter) or HDMI/DVI (with adapter).Conversely, a monitor with DisplayPort cannot be connected to the HDMI output via a simple, passive adapter.[4] Four-pin connector on the rearThis enables the connection of an external power button.In addition, a 5 V DC voltage is provided for external components and the CMOS memory can be cleared using a jumper (Clear CMOS). A suitable cable is available as optional accessory CXP01.[5] Attention: For high ambient temperatures from 35 °C, it is recommended to use SSDs instead of hard disks.

📄 Specifications

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