Item no.: 398569

NS03A - XPC nano system Rockchip RK3568 Quad-Core Cortex-A55 2GB RAM 32GB

from **168,34 EUR**

Item no.: 398569
shipping weight: 0.90 kg
Manufacturer: Shuttle

Product Description

The Shuttle XPC nano NS03 series is one of the most affordable models in the Shuttle XPC product family. It not only impresses with its stylish appearance and stability, but is also particularly powerful thanks to the quad-core ARM processor and the pre-installed Android 11 operating system. Two HDMI ports support either two full HD displays or one 4K display. With 4x USB, Gigabit LAN, WLAN-ac, a slot for M.2 SSDs and an SD card reader, there are a wide range of connection options for various application scenarios. While the NS03A is supplied with power via a power supply unit, the NS03E is powered via the network port (Power-over-Ethernet). The NS03 series is designed in particular for digital signage and thin client applications.Fanless and quietPassive cooling, no fan noiseIdeal for noise-sensitive environmentsLess contamination from dust - therefore practically maintenance-free24/7 continuous operationApproved for 24/7 continuous operationHousingHousing made of black plasticDimensions: 141 x 141 x 29 mm (LWH) = 577 mlWeight: 0.27 kg net, 0.81 kg with packagingOpening for Kensington LockOperating systemAndroid 11 (codename "Red Velvet Cake") pre-installed [4]Other operating system versions are available on request:- Android 11 with root access- Debian 10 Linux [6]Pre-installed player softwareThis player software enables the playback of digital signage content that has previously been compiled and uploaded to a mobile device using the Shuttle DS Creator Duo software.Free app: Shuttle DS Creator DuoUse this free app on your mobile phone or tablet to upload digital signage content such as continuous text, images, videos and website links to the Shuttle XPC nano NS03A/NS03E. The connection is established via the WLAN within the local network.For Android: Download from Google PlayFor Apple: Download from the App StoreFor Windows: Download from global.shuttle.comSpecial functions+ Supports either automatic switching on when power is supplied or switching on via power button [5]+ Supports switching on and off according to time setting+ Supports image rotation+ Supports scaling of video output (zoom in/out) _COPY4 + Supports scaling of video output (zoom in/out)output (zoom in/out)+ Supports Wake-on-LAN (WOL)+ Supports two screens (2x FullHD or 1x UHD)+ Supports external USB hard drive and USB cameraPower supply unitExternal 36 W power supply unit (fanless)Input: 100-240 V AC, 50-60 Hz, max. 0.9A, automatic voltage settingOutput: 12 V DC, max. 3.0 A, max. 36 WDC plug: 5.5 / 2.5 mm (outer/inner diameter)AC plug: This power supply can be plugged directly into a socket and includes a set of interchangeable power plug adapters suitable for most socket types:EU (Type C), UK (Type G), US (Type A), AU (Type I)ProcessorRockchip RK3568 Quad-Core Cortex-A5564-bit SoC with NEON/FPU co-processor22nm manufacturing processClock speed: 2.0 GHz max.512kB L3 cacheIntegrated graphicsMali G52 2EE graphics processorClock frequency: up to 800 MHzVideo decoder: 4KP60 H.264/H.265/VP9Video encoder: 1080P60 H.264/H.265Supports Dual Display [2]RAM memory2 GB DDR4 onboard(optional 4 GB possible for project requests)Flash memory32 GB eMMC Flash memory onboardM.2-2280M SSD slotM.2-2280 M-Key slotSupports M.2 plug-in cards with 80 mm length and 22 mm widthSupports M.2 SSDs with SATA or PCI Express interfaceThe mode (SATA or PCIe) is recognised automatically, but can also be forced to SATA or PCIe via jumper setting (CN20).Sound functionAudio chip: Rockchip RK809-53.5 mm four-pin combo connection for headphones and microphone [1]Digital audio output via an HDMI connection [2]Gigabit networkLAN chip: Realtek® RTL8211E-VB-CGSupports 10 / 100 / 1.000 MBit/s data transfer rate (Gigabit)Supports Wake On LAN (WOL)Power over Ethernet (PoE)NS02A does not support Power over Ethernet (PoE).Use the NS02E version for this.Wireless network (WLAN+BT)Chipset: AMPAK AP6256 (UART interface)One internal antenna (1T1R) [3]Supports Wireless LAN IEEE 802.11a/b/g/n/ac with 2.4 and 5 GHzSupports Bluetooth 5.2CardreaderIntegrated SD Cardreader for reading and writingof SD, SDHC and SDXC flash memory cardsSupports booting from SD card for image updateFront connections2x USB 3.2 Gen 1 (blue)SD Cardreader (supports SD, SDHC, SDXC)On/Off button [5]Power indicator LED (blue)Rear connectionsHDMI 2.0 supports 2160p/60Hz [2]HDMI 1.4 supports 1080p/60Hz [2]2x USB 2.0Gigabit LAN (RJ45)Audio combo port for headphones and micro phone (3.5 mm jack, 4-pin) [1]DCpower supply) [1]DC input for external power supply2-pin connector for external power button (wakeup/suspend mode)2-pin connector for image flash or Android recovery mode-VESA mountVESA mount set, two-piece made of metal with 6 screwsSupports 75x75 and 100x100 mmSupplied accessoriesInstallation instructionsVESA mount with screwsExternal power supply (36W) with AC plugs for EU, UK, US, AUWLAN antenna cable, 10 cm [3]Four rubber feetEnvironmental parametersPermissible operating temperature range: 0-40 °CPermissible relative humidity: 10-90 % (non-condensing)Conformity/certificationsEMC/RF: CE, FCC, BSMI, RCM, VCCI Safety: CB (IEC 60950/62368), cTUVus, BSMIOther: RoHS, ErPThis device is classified as a 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) and(4) Directive 2014/53/EU on radio equipment (RED: Radio Equipment Directive)[1] Audio connectionThe 3.5 mm audio socket on the back of the device supports both headsets with headphones and microphone with a four-pin jack plug, as well as headphones with a three-pin jack plug. Headsets with separate connections for headphones and microphone require a suitable adapter if you also want to use the microphone.[2] Dual Display and Digital AudioThe system offers two digital graphics outputs: HDMI 2.0 and HDMI 1.4. It supports either two Full HD displays with 1080p/60Hz or one UHD display with 2160p/60Hz.The second display is always in clone mode (same content). Different content can only be played on the displays with the "DS Creator Duo" app.If two displays are connected, the "DS Creator Duo" app only outputs the digital sound via the HDMI 1.4 port.[3] Wi-Fi antennaThe device is equipped with an internal Wi-Fi antenna. The housing also has a perforation for the optional installation of an external WLAN antenna. The appropriate antenna cable with SMA connection is supplied, the antenna is not included in the scope of delivery.[4] Google Play StoreThe NS03A / NS03E does not support Google Play services, this also applies to Google Play Store.[5] Switch-on modeThis system is set at the factory so that it starts immediately when a supply voltage is applied (continuous operation). It can also be started via the power button by moving the CN13 jumper.[6] Linux supportShuttle is also planning to provide a Linux operating system image based on Debian 10 on request for the product launch of the NS03 series. Please note that only Linux programmes developed for this ARM platform can be run. Linux programmes for the x86 platform must therefore be ported accordingly beforehand.

Specifications

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All details, up-to-date prices and availability