

# **PRODUCT SPECIFICATIONS**

# BAREBONE **XPC** nano

Processor: Intel Core i7-1255U

### MANY PORTS AND HIGH PERFORMANCE IN NANO-FORMAT

The NC40U series comes with powerful and efficient 12th generation Intel Core processors, codenamed "Alder Lake-U". Despite the nano format with only 850 ml volume, it offers enormous connection variety and expansion options. Thus, up to three UHD displays (4K/60Hz) and up to seven USB 3.2 devices can be connected, and two NVMe/SSD cards in M.2-2280 format as well as one 2.5" hard drive (up to 15 mm thickness) can be installed. The NC40U series is ideal for Digital Signage, POS, control, office or even multimedia.













(......

INTEL LAN 2x NVMe SSD SUPPORT

PORT







JUMPER JP1

VERTICAL

STAND

87993 00587 4

NANO DESIGN

SUPPORT

- Slim plastic chassis, black Dimensions: 142 x 142 x 42 mm (LWH),
- 850 ml Including vertical Stand and VESA mount (75/100 mm)
- Operating temperature: 0~40 °C (non-condensing)

#### **OPERATING SYSTEM**

An operating system is not included

SUPPORT

■ Supports Windows 10, Windows 11 and Linux (64-bit)

#### PROCESSOR

- Intel Core i7-1255U, 2x P-Core, 8x E-Core, 96 Execution Units
- 12<sup>th</sup> generation Intel Core, code name "Alder Lake-U"
- Soldered SoC with 15 W TDP, Intel 7 process (10 nm)

#### GRAPHICS

- Integrated Intel UHD graphics (features depend on processor)
- Supports three independent Ultra-HD displays at 60 Hz

#### **RAM MEMORY SUPPORT**

■ 2x 260-pin SO-DIMM slot ■ Supports up to 2x 32 GB DDR4-3200

#### STORAGE - SATA / M.2

- 1x M.2-2280M slot (supports PCIe Gen 3 x4 NVMe or SATA)
- 1x M.2-2280M slot (supports PCIe Gen 4 x4 NVMe)
- 1x 2.5" bay for SATA hard disk (max. 15 mm) or SSD
- Supports Intel VMD RAID 0/1 Function with two M.2 PCIe SSDs

#### **CONNECTORS**

■ HDMI 2.0b ■ DisplayPort 1.4 ■ USB-C supports USB 3.2 Gen1 or DisplayPort 1.4 ■ 2x USB 3.2 Gen2 (max. 10 Gbps) ■ 4x USB 3.2 Gen2 (max. 5 Gbps) I 1x Intel Gigabit LAN (Intel 219) 2x Audio (Microphone-in + Line-out) 
DC input 19 V

#### **POWER SUPPLY**

External 65W / 19V power adapter

#### **OPTIONAL WLAN**

- M.2-2230E slot supports one optional WLAN module
- Two internal WLAN antennas pre-installed
- Optional Shuttle Accessory: WLAN kit with two external antennas WLN-M (Wi-Fi 5 / 802.11ac) or WLN-M1 (Wi-Fi 6 / 802.11ax)

## **MODELS OF THE NC40U SERIES**

Shuttle Model	Intel Processor	Cores (Threads)		Base/Turbo Clock		Smart	Graphics		TDP	UPC Bar Code
		Р	E	Р	E	Cache	Max. Clock	EUs	TUP	
NC40U	Celeron 7305	1 (1)	4 (4)	1.1 / — GHz	0.9 / - GHz	8 MB	0.9 GHz	48	15 W	887993005904
NC40U3	Core i3-1215U	2 (4)	4 (4)	1.2 / 4.4 GHz	1.2 / 3.3 GHz	10 MB	1.1 GHz	64	15 W	887993005898
NC40U5	Core i5-1235U	2 (4)	8 (8)	1.3 / 4.4 GHz	0.9 / 3.3 GHz	12 MB	1.2 GHz	80	15 W	887993005881
NC40U7	Core i7-1255U	2 (4)	8 (8)	1.7 / 4.7 GHz	1.2 / 3.5 GHz	12 MB	1.25 GHz	96	15 W	887993005874





# Shuttle

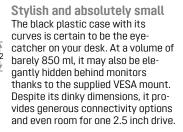
# **PRODUCT SPECIFICATIONS**

### **PRODUCT FEATURES**

#### 850 ml







**Easy installation** Remove just two screws to unmount the two chassis covers.

Supports two M.2 SSD cards

This nano PC has room for two SSD

cards in M.2-2280 format with fast

PCIe interface and NVMe support

(one card with SATA is supported).

0/1 configuration for two M.2 PCIe

SSDs thanks to the Intel® Volume

Management Device Technology (In-

tel® VMD). For this the SATA mode

must be changed to "Raid" in the Ad-

In addition, the NC40U features a

2.5 inch bay with 15 mm height to

support hard disks up to 5 TB, while

many other PCs in a similar form factor are limited to drives with a maxi-

Two self-adhesive thermal pads are included. NC40U also supports RAID

and one 2.5" drive

vanced BIOS setup.

mum height of 7 mm.









Seven USB 3.2 ports Up to 7 USB devices can be connected to the NC40U. The USB-C port can also be used as a Display-Port. The red USB ports even support USB 3.2 Gen2 with up to 10 . Ghit/s.

#### **VESA** mount

The supplied 75/100mm VESA mount allows for installation on to walls or monitors which is particularly interesting for the industry segment, company buildings and public institutions.

#### Power on after Power fail The BIOS setup provides a "Power-On after Power Fail" function that can be found under "Power Management Configuration". As the name indicates, this function determines the PC's behaviour after power failure: (1) unconditional power on, (2) restore former status (3) keep system turned off (4) Power-On by LAN or (5) Power-On by Real-Time-Clock. As a matter of the nature of this function, it may fail after short power failures. This is why the Shuttle XPC slim Barebone NC40U also comes with a hardware-based solution. By removing Jumper JP1 the system will start unconditionally once power is applied.

#### **Kensington Lock**

This is a small, metal-reinforced hole as part of an anti-theft system. The Shuttle XPC nano Barebone NC40U provides an appropriate hole on both sides of its chassis. The lock-and-cahle is not included



Triple 4K Display support The NC40U features three digital video outputs: HDMI, DisplayPort and USB-C. This allows for the connection of three independent 4K displays which all can run with 3840 x 2160 Ultra HD resolution at 60 Hz frames per second.



2|9



# PRODUCT SPECIFICATIONS

### **Front and Back Panel**



Shuttle Computer Handels GmbH  $\cdot$  Fritz-Strassmann-Str. 5  $\cdot$  25337 Elmshorn  $\cdot$  Germany Tel. +49 (0) 4121-47 68 60  $\cdot$  Fax +49 (0) 4121-47 69 00  $\cdot$  sales@shuttle.eu

# Shuttle®

# PRODUCT SPECIFICATIONS

### **REQUIRED COMPONENTS**

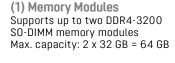
The following components need to be added to make it a fully-configured Mini PC











(3) 2.5" Storage Drive Supports one 2.5" SATA hard disk or Solid State Disk (SSD)

(max. height: 15 mm)

(2) M.2-2280 SSD Supports up to two SSD cards-in M.2-2280 form factor 2A) PCIe Gen4/NVMe (from the top) 2B) PCIe Gen3/NVMe or SATA (from the bottom)





(4) M.2 WLAN Module (optional) Supports one standard M.2-2230 WLAN module Two internal antennas are already pre-installed and antenna cables are ready to be connected.





4|9

Optional Shuttle WLAN-Accessory Kit with two external antennas WLN-M (802.11ac / Wi-Fi 5 / BT 4.2)

WLN-M1 (802.11ax / Wi-Fi 6 / BT 5.2) Including WLAN card and two external antennas with cables (internal antennas can also be used instead)

(5) Operating System Windows 10, Windows 11 or Linux (64-bit only)



## Shuttle Product Comparison: NC10U versus NC40U

MODEL	NC10U Series	NC40U Series
Chassis	Plastic chassis, black LWH: 142 x 142 x 42 mm (847 ml)	Plastic chassis, black LWH: 142 x 142 x 42 mm (847 ml)
Processor	NC10U: Intel Celeron 4205U NC10U3: Intel Core i3-8145U NC10U5: Intel Core i5-8265U NC10U7: Intel Core i7-8565U Intel "Whiskey Lake-U" (8th Gen) Technology: 14 nm, TDP: 15 W	NC40U: Intel Celeron 7305 NC40U3: Intel Core i3-1215U NC40U5: Intel Core i5-1235U NC40U7: Intel Core i7-1255U Intel "Alder Lake-U" (12th Gen) Technology: 10 nm, TDP: 15 W
RAM Suppport	2x SO DIMM (260-pins) max. 2x 32 GB DDR4-2133/2400	2x SO DIMM (260-pins) max. 2x 32 GB DDR4-3200
2.5 bay	Supports 2.5" SATA drive max. height: 15 mm	Supports 2.5" SATA drive max. height: 15 mm
M.2-2280 slot	M.2-2280M supports PCIe Gen3 X4 and SATA (PCIe Gen2 for Celeron CPU)	M.2-2280M supports PCIe Gen3 X4 and SATA M.2-2280M supports PCIe Gen4 X4 Supports Intel VMD Raid function
Video	Supports Dual Display via HDMI 2.0a and DP 1.2	Supports Triple Display via HDMI 2.0b and 2x DP 1.4a (1x via USB-C)
Audio	Realtek ALC662 (HD Audio)	C-Media CM6542 (USB)
GIGABIT LAN	Intel i211	Intel i219
<b>WLAN</b> (M.2-2230 Slot)	Realtek RTL8188EE 1x Internal Antenna Supports 802.11n (1T1R)	Prepared for WLAN card, but not included M.2-2230E slot onboard 2x internal antennas pre-installed 2x perforation for optional external antennas
Front Panel	On/Off button Power LED, HDD LED 1x USB 3.2 Gen 1, Type A 1x USB 3.2 Gen 1, Type C SD card reader	On/Off button Power LED, HDD LED 2x USB 3.2 Gen 1, Type A 1x USB 3.2 Gen 1, Type C supports DisplayPort 1.4a 2x 3.5 mm Audio (Mic + Headphones)
Back Panel	HDMI 2.0a DisplayPort 1.2 2x USB 2.0, Type A RJ45 Gigabit LAN Audio Combo Port (Mic + Headphones) DC-Input for power adapter	HDMI 2.0b DisplayPort 1.4a 2x USB 3.2 Gen 2, Type A 2x USB 3.2 Gen 1, Type A RJ45 Gigabit LAN DC-Input for power adapter
Left Side	COM-Port (RS232)	-
Right Side	2x Perforation for optional external antennas	2x Perforation for optional external antennas
Power Adapter	65 W (19 V, 3.42 A)	65 W (19 V, 3.42 A)
Vertical Stand	included	included
VESA Mount	included	included
Optional Accessories	WLN-M/M1: WLAN kit with external antennas	WLN-M/M1: WLAN kit with external antennas
Front View	;O;	
Back View		

## SHUTTLE XPC nano BAREBONE NC40U-Series - SPECIFICATIONS

Barabone PC with a black plastic chassis Dimensions: 12x 12x 12x groups           Beneficient PC with a black plastic chassis Dimensions: 12x 12x 12x groups           Beneficient PC with a black plastic chassis Dimensions: 12x 12x 12x groups           OPERATION POSITION         I water plastic stand and 75 / 100 mm VESA mount.           Dimensions: 12x		
OPERATION POSITION         2) Variaties with stand           3) VESA-mounted behind an appropriate monitor           This barebone system comes without operating system.           It is compatible with:           ·Windows 10, 64-bit           ·Windows 10, 64-b	CHASSIS	Dimensions: 142 x 142 x 42 mm (LWH) = 847 ml Weight: 0.4 kg net, 1.2 kg gross Hole for Kensington Lock
OPERATION SYSTEM       It is compatible with: - Windows 10, 64-bit - Windows 10, 64-bit - Unux, 64-bit	OPERATION POSITION	2) Vertical with stand
PROCESSOR12th Generation Intel Core, code name "Alder Lake-U" System-on-chip architecture (SoD) with integrated memory and graphics controller FCEGA1744 package - directly soldered ont to the mainboard Prozessorkems: total 10 Prozessorkems: total 12 / 3.5 GHz basis/turbo clock Smart Cache: 12 MB Mainfacturing prozess: Intel 7 (10 nm) Maximum Tjunction Temperature: 100 °CCOOLING FANBuilt-In CPU cooling fan with 4-pin connector Supports temperature: controlled RPM fan speedIntel UHD Graphics with 96 Execution Units (EU) This PC supports up to three independent screens with up to 2160g 60 Hz (Utra HD / 4R); 1) DisplayPort (supports DP 1.4a) 2) USB-C Port (supports DP 1.4a) 2) USB-C Port (supports DP 1.4a and USB 3.2 Gen 1) 3) HDMI-Port (supports HDMI 2.0b)UEFI FIRMWARESupports Independent interface Supports ID Prover failure Supports ID Prover ID Prover failure Supports ID Prover failure failure failure failure failure failure Supports ID Prover ID Prover failure Supports ID Prover ID Prover failure Supports ID Prover ID Prover ID Prover failure Supports ID Prover ID Prover ID Prover failure Supports ID Prover ID Prove	OPERATION SYSTEM	It is compatible with: - Windows 10, 64-bit - Windows 11, 64-bit
COULING FAN         Supports temperature-controlled RPM fan speed           INTEGRATED GRAPHICS         Intel UHD Graphics with 96 Execution Units (EU) Graphics Max Dynamic Frequency: 1.25 GHz           This PC supports up to three independent screens with up to 2160g 60 Hz (Ultra HD / 4K): 1) DisplayPort (supports DP 1.4a) 2) USB-C Port (supports DP 1.4a) 2) USB-C Port (supports HDM 12.0b)           AMI BIOS in 32 MByte EEPROM with SPI interface Supports resume after power failure Supports Nake on LAN (WOL) Supports Power on by RTC Alarm Supports Nardware monitoring and Watchdog function Supports Unified Extensible Firmware Interface (UEFI) Supports Unified Extensible Firmware Interface (UEFI) Supports Unified Extensible Firmware Interface (UEFI) Supports DDR4-3200 (PC4-25600) SDRAM at 1.2 V Supports DDR4-3200 (PC4-25600) SDRAM at 1.2 V Supports a maximum of 32 GB per DIMM, maximum total size: 64 GB Supports to unbuffered DIMM modules (no ECC or registered)           2.5" DRIVE BAY         Supports one Serial ATA hard disk or one SATA SSD dirve in 6.35 cm / 2.5" format Device height: 15 mm (max) Supports Serial-ATA III, 6 Gb/s (max. 600 MB/s) bandwidth	PROCESSOR	12th Generation Intel Core, code name "Alder Lake-U" System-on-a-chip architecture (SoC) with integrated memory and graphics controller FCBGA1744 package - directly soldered onto the mainboard Prozessorkerne: total 10 - Performance Cores: 2 P-Cores (4 Threads) at 1.7 / 4.7 GHz basis/turbo clock - Efficient Cores: 8 E-Cores at 1.2 / 3.5 GHz basis/turbo clock Smart Cache: 12 MB TDP wattage: 15 W maximum Manufacturing process: Intel 7 (10 nm)
INTEGRATED GRAPHICSGraphics Max Dynamic Frequency: 1.25 GHz This PC supports up to three independent screens with up to 2160g 60 Hz (Ultra HD / 4K): 1) DisplayPort (supports DP 1.4a) 2) USB-C Port (supports DP 1.4a and USB 3.2 Gen 1) 3) HDMI-Port (supports DP 1.4a and USB 3.2 Gen 1) 3) HDMI-Port (supports HDMI 2.0b)UEFI FIRMWAREAMI BIOS in 32 MByte EEPROM with SPI interface Supports resume after power failure Supports Wake on LAN (WOL) Supports Power on by RTC Alarm Supports Power on by RTC Alarm Supports Supports Firmware Interface (UEFI) Supports Firmware TPM v2.0 (fTPM) (Hardware TPM optional, on project request only)MEMORY SUPPORTZx SO-DIMM slot with 260 pins Supports a maximum of 32 GB per DIMM, maximum total size: 64 GB Supports two unbuffered DIMM modules (no ECC or registered)2.5" DRIVE BAYSupports Serial ATA hard disk or one SATA SSD drive in 6.35 cm / 2.5" format Device height: 15 mm (max.) Supports Serial-ATA III, 6 Gb/s (max. 600 MB/s) bandwidth	COOLING FAN	
UEFI FIRMWARESupports resume after power failure Supports Wake on LAN (WOL) Supports Power on by RTC Alarm Supports hardware monitoring and Watchdog function Supports hardware monitoring and Watchdog function Supports Unified Extensible Firmware Interface (UEFI) Supports Firmware TPM v2.0 (fTPM) (Hardware TPM optional, on project request only)MEMORY SUPPORT2x SO-DIMM slot with 260 pins Supports DDR4-3200 (PC4-25600) SDRAM at 1.2 V Supports Dual Channel mode Supports Junit of 32 GB per DIMM, maximum total size: 64 GB Supports two unbuffered DIMM modules (no ECC or registered)2.5" DRIVE BAYSupports one Serial ATA hard disk or one SATA SSD drive in 6.35 cm / 2.5" format Device height: 15 mm (max.) Supports Serial-ATA III, 6 Gb/s (max. 600 MB/s) bandwidth	INTEGRATED GRAPHICS	Graphics Max Dynamic Frequency: 1.25 GHz This PC supports up to three independent screens with up to 2160@ 60 Hz (Ultra HD / 4K): 1) DisplayPort (supports DP 1.4a) 2) USB-C Port (supports DP 1.4a and USB 3.2 Gen 1)
MEMORY SUPPORT       Supports DDR4-3200 (PC4-25600) SDRAM at 1.2 V         Supports Dual Channel mode       Supports a maximum of 32 GB per DIMM,         maximum total size: 64 GB       Supports two unbuffered DIMM modules (no ECC or registered)         2.5" DRIVE BAY       Supports one Serial ATA hard disk         or one SATA SSD drive in 6.35 cm / 2.5" format       Device height: 15 mm (max.)         Supports Serial-ATA III, 6 Gb/s (max. 600 MB/s) bandwidth       Supports Serial-ATA III, 6 Gb/s (max. 600 MB/s) bandwidth	UEFI FIRMWARE	Supports resume after power failure Supports Wake on LAN (WOL) Supports Power on by RTC Alarm Supports hardware monitoring and Watchdog function Supports Unified Extensible Firmware Interface (UEFI) Supports Firmware TPM v2.0 (fTPM)
2.5" DRIVE BAYor one SATA SSD drive in 6.35 cm / 2.5" format Device height: 15 mm (max.) Supports Serial-ATA III, 6 Gb/s (max. 600 MB/s) bandwidth	MEMORY SUPPORT	Supports DDR4-3200 (PC4-25600) SDRAM at 1.2 V Supports Dual Channel mode Supports a maximum of 32 GB per DIMM, maximum total size: 64 GB
	2.5" DRIVE BAY	or one SATA SSD drive in 6.35 cm / 2.5" format Device height: 15 mm (max.) Supports Serial-ATA III, 6 Gb/s (max. 600 MB/s) bandwidth



# PRODUCT SPECIFICATIONS

Two M.2-2280M SSD SLOTS	This PC comes with two M.2-2280M slot for SSD cards in M.2 form factor: 1) M.2-2280M slot supports PCIe Gen4 x4 (from the top) 2) M.2-2280M slot supports PCIe Gen3 x4 and SATA v3.0 (from the bottom) It supports M.2 cards with a width of 22 mm and a length of 80 mm. Supports M.2 cards with M key or B+M key. Two thermal pads for M.2 SSDs are included. <b>Supports RAID configuration</b> thanks to the Intel® Volume Management Device Technology (Intel® VMD). Supports RAID 0 or RAID 1 mode of two M.2 SSD cards with PCIe interface (NVMe protocol). For this the SATA mode must be changed to "Raid" in the Advanced BIOS setup.
AUDIO	C-Media CM6542 Audio Codec with USB interface Two analog audio connectors (3.5 mm) on the front side: 1) Line-out (head-phones) 2) Microphone input Digital multi-channel audio output: via HDMI and DisplayPort
GIGABIT LAN	Ethernet Controller Intel i219 Supports 10 / 100 / 1.000 MBit/s operation (Gigabit) Supports WAKE ON LAN (WOL) Supports network boot by Preboot eXecution Environment (PXE)
M.2-2230-SLOT FOR Wlan Cards	M.2-2230E slot supports WLAN expansion cards Interfaces: PCI-Express X1 and USB 2.0 Supports M.2 cards with a width of 22 mm and a length of 30 mm (type 2230) This PC comes with two pre-installed internal antennas with I-PEX4/MHF-IV connectors Optional Shuttle accessory: WLN-M / WLN-M1 (AC/AX WLAN card with external antennas)
FRONT PANEL Connectors	1x USB-C (supports DisplayPort 1.4a and USB 3.2 Gen 1 at max. 5 GBit/s) 2x USB 3.2 Gen 1 Type A (max. 5 GBit/s, blue) Audio line-out / headphones (3.5 mm jack plug) Microphone input (3.5 mm jack plug) Power button Power LED (blue) Hard Disk LED (orange)
BACK PANEL Connectors	DisplayPort 1.4a <b>[1]</b> HDMI 2.0b 2x USB 3.2 Gen 2 Type A (max. 10 GBps, red) 2x USB 3.2 Gen 1 Type A (max. 5 GBps, blue) Gigabit LAN (RJ45, Intel 219) DC-input connector for external power adapter (5.5 / 2.5 mm) 2x perforation (6.5 mm diameter) for optional external WLAN antennas
ALWAYS-ON JUMPER	By removing Jumper JP1 (please refer to the Quick Installation Guide) the system will start unconditionally once power is applied. [3]
CLEAR CMOS JUMPER	Short Jumper JP2 for about 10 seconds to restore factory settings of BIOS.
POWER SUPPLY	External 65 W power adapter (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 cable ca. 175 cm with coaxial connector: 5.5 / 2.5 mm (outer/inner diameter) The DC-input of the computer supports 19V±5%. AC cable, ca. 170 cm, 3-pin Micky MM C6 and Schuko earthed safety plug
SUPPLIED Accessories	Multi-language Quick Installation Guide Driver DVD for Windows 10/11 VESA mount set (two parts), made of steel, with six screws (4x M4x10, 2x M2.5x3) Bracket for a 2.5" drive with eight screws (M3x5) Two aluminium stands (110 mm width) with four screws M3x7 for vertical operation Four black, rounded rubber feet, ca. 10 mm diameter x 2.5 mm Three screws for mounting of M.2 cards Two self-adhesive thermal pads for M.2 SSD cards Power adapter 65 W with AC power cord
OPTIONAL ACCESSORIES	- WLAN module with external antennas <b>[4]</b> WLN-M (802.11ac, Wifi 5, BT4.2) or WLN-M1 (802.11ax, Wifi 6, BT5.2)
ENVIRONMENTAL SPECIFICATIONS	Operating temperature range: 0~40 °C <b>[2]</b> Relative humidity range: 10~90% (non-condensing)Conformity/Certifications



l office.
t

#### [1] How to convert DisplayPort into HDMI/DVI

The DisplayPort outputs can be converted to HDMI or DVI by an additional, passive adapter cable. For example: DELOCK 82590: 1 m, DisplayPort (male, 20p) to HDMI-A (male, 19p)

DELUCK 82590: 1 m, DisplayPort (male, 20p) to HDMI-A (male, 19p) DELOCK 82435: 5 m, DisplayPort (male, 20p) to DVI-D (male, 24p)

The integrated graphics automatically detects the connected display and puts out the appropriate electric signal - either DisplayPort (without an adapter) or HDMI/DVI (with an adapter).

[2] Caution: For high ambient temperatures over 35 °C we strongly recommend to use SSDs (supporting at least 70 °C) instead of hard disks. Ensure free circulation of air amongst the PC and ventilation holes must stay clear.

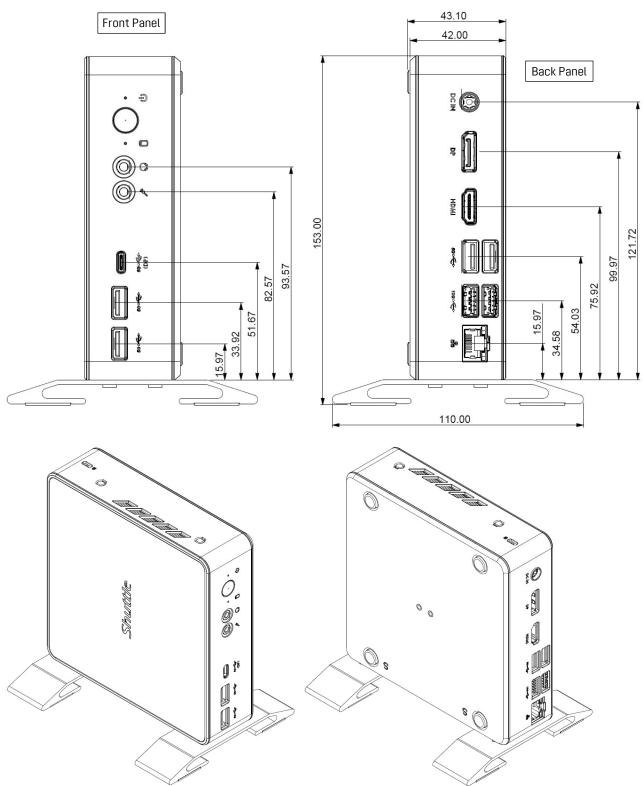
#### [3] Power-on after Power Fail:

The BIOS setup provides a "Power-on after Power Fail" function that can be found under "Power Management Configuration". This function determines the PC's behaviour after power failure. As a matter of the nature of this function, it may fail after short power failures. This is why this PC also comes with a hardware-based solution. By removing Jumper JP1 (please refer to the Quick Installation Guide), the system will start unconditionally once power is applied.

#### [4] Optional Wireless LAN module:

This Nano PC can optionally be upgraded with WLAN/Bluetooth functionality. Shuttle offers the suitable accessory kits "WLN-M" and "WLN-M1", consisting of a WLAN card in M.2-2230 format and two external antennas with appropriate antenna cables. Note: two internal antennas are already pre-installed and can also be used instead.

## SHUTTLE XPC nano BAREBONE NC40U-Series — Technical Drawings



© 2023 Shuttle® Computer Handels-GmbH – All information subject to change without notice. Optional components and accessories are not included. Pictures for illustration purposes only.