

SH570R8

CUBE PC



PROCESSOR	Supports Intel® 10th and 11th generation 125W Core™ i3/i5/i7/i9, Pentium®, and Celeron® LGA 1200 processors	
MEMORY	4 x 288 pin DDR4 2666/2933/3200 MHz*, Supports dual channel up to 128GB (32GB x 4)	
VIDEO GRAPHICS	Intel HD Graphics 630, Supports DirectX 12	
VIDEO OUTPUT	HDMI + DisplayPort x 2, Supports triple independent displays, Supports 4K playback	
AUDIO	Realtek ALC897, 5.1 channel HD audio	
ETHERNET	Intel i210AT/i219LM 10/100/1000 MB/s operation	Supports Wake on LAN function Supports Teaming function
STORAGE INTERFACE	SATA 6 GB/s	
ONBOARD CONNECTORS	Occupied front connectors: (1) RS232 (2x5 pin header)	(2) Fan connectors (4-pin header) (1) USB 2.0 (4-pin header)
FRONT PANEL	(1) Power Button (1) Power LED (1) HDD LED (1) USB 3.2 Gen 1 (Type-C)	(3) USB 3.2 Gen 1 (Type-A) (1) Microphone-in (1) Headphone out
BACK PANEL	(1) HDMI 2.0b/HDMI 1.4b** (2) DisplayPort 1.4 (4) USB 2.0 (4) USB 3.2 Gen 2 (Type-A) (2) LAN ports (1) Optional RS232	(1) Audio line-in (1) Audio line-out (1) Microphone input (1) Clear CMOS button (3) Perforation for optional WLAN antennas
DRIVE BAYS	(4) 3.5" HDD bay	Supports up to 2.5" drives with optional PHD3 accessory, can be installed into one 3.5" drive bay
DIMENSIONS	13(L) x 8.5(W) x 7.48(H) inches	
POWER	Input: 100 - 240V AC, 50-60 Hz 80 PLUS Gold	80 PLUS 500W power supply
ACCESSORIES	Quick Guide Heatsink compound SATA cable x 2	Driver DVD Power Cord Screw Package
EXPANSION SLOT	(1) PCI-E X16 slot Gen 4.0 (1) PCI-E X4 slot Gen 3.0	(1) M.2 MAX to 2230 Type E key socket (1) M.2 MAX to 2280 Type M key socket
OS SUPPORT	Windows 10 64 bit, Linux	

*DDR4 clock frequency depends on processor: 11th Gen "Rocket Lake" supports DDR4-3200, 10th Gen "Comet Lake" Core i7/i9 CPUs supports DDR4-2933, other 10th Gen CPUs supports DDR4-2666

**HDMI 1.4b with 10th Gen "Comet Lake" processor

For more information on all products, please contact us at sales@us.shuttle.com or **626.820.9000**

SH570R8

CUBE PC

R8-CHASSIS	<p>Black aluminum chassis, brushed aluminum front panel Front door for I/O ports (USB and Audio) Kensington lock slot on the back as part of anti-theft system Height with rubber feet: 7.75 inches Dimensions: 13 (L) x 8.5 (W) x 7.48 (H) inches Weight: 7.7 LBS (net) / 9.9 LBS (gross)</p>
MAINBOARD AND CHIPSET	<p>Mainboard with Shuttle form factor, proprietary design for XPC SH570R8 Chipset: Intel® H570, Passive chipset cooling with heat sink Solid capacitors for sensitive areas provide excellent heat resistance for enhanced system durability</p>
BIOS	<p>AMI BIOS, SPI Interface, 16 MB Flash-EPROM Supports Hardware Monitoring, Watch Dog Supports Power Fail Resume, Supports Firmware-TPM (fTPM) v2.0 Supports boot up from external USB flash memory Supports Unified Extensible Firmware Interface (UEFI)</p>
POWER SUPPLY	<p>Built-in 500W mini switching power supply [4]* AC input voltage: 100 - 240V, 50 - 60 Hz 80 PLUS Gold compliant Active PFC Circuit (Power Factor Correction) ATX main power connectors: 2x10 and 2x2 pin Graphics power connector: 6 pin and 8 pin Other connectors: 4 x SATA, 2 x Molex</p>
OPERATING SYSTEM	<p>The system comes without an operating system installed. Compatibility: Windows 10, Linux 64bit</p>
PROCESSOR SUPPORT	<p>LGA 1200 Socket supports Intel® Core® i3/i5/i7/i9, Pentium, and Celeron processors Supports 10th and 11th generation Intel Core processors (code name Comet Lake-S and Rocket Lake-S) in 14++ nm process technology Max supported processor power consumption (TDP): 125W Up to 10 CPU cores (Max 8 cores for 11th Gen, max 10 cores for 10th Gen), 20 threads and 20 MB of L3 cache Does not support the unlock function of Intel K-series processors The processor integrates PCI-Express, the memory controller, and graphics engine on the same die (performance features depend on the processor type) Processors with "F" identifier does not support integrated graphics [2]* Please refer to the support list for more detailed processor information at global.shuttle.com</p>
SYSTEM COOLING	<p>Shuttle I.C.E. (Integrated Cooling Engine) advanced heatpipe cooling technology, linear-controlled 92 mm fan Silent X cooling and noise reduction technology with Active Airflow</p>
MEMORY SUPPORT	<p>4 x 288 pin slots, Supports DDR4 2666/2933/3200 MHz memory at 1.2V Supports Dual Channel mode, Supports a max. of 32GB per DIMM, up to 128GB total DDR4 clock frequency depends on the processor used: 11th Gen "Rocket Lake" CPU supports DDR4-3200 Other 10th Gen CPUs support DDR4-2666 10th Gen Core i7/i9 CPU supports DDR4-2933</p>
PCI-E SLOTS	<p>1 x PCI-Express x16 v4.0 slot (supported with 10th Gen "Comet Lake" processors) 1 x PCI-Express x4 v3.0 slot, open-ended Supports dual slot (double width) graphic cards (occupies the second PCI-Express slot) 6 pin and 8 pin power connector for graphic card [4]*, max size for graphic card 273 x 98 x 38 mm (L x H x D)</p>
M.2 SLOTS	<p>M.2 2280 BM slot, provides the following interfaces: -PCI-Express Gen. 4.0 X4, supports NVMe -SATA v3.0 (max 6 GB/s) Supports M.2 card with a width of 22 mm and a length of 42, 60, or 80 mm (type 2242, 2260, 2280) Supports M.2 SSDs with SATA or PCI-Express interface</p> <p>M.2 2230 E slot for WLAN cards -PCI-Express Gen. 3.0 X1 and USB 2.0 Supports M.2 cards with a width of 22 mm and a length of 30 mm (type 2230) Supports WLAN extension cards (with optional WLN-M accessory)</p>

For more information on all products, please contact us at sales@us.shuttle.com or 626.820.9000

SH570R8

CUBE PC

INTEGRATED GRAPHICS	<p>Intel UHD graphics function features depend on the processor type used [2]* Supports DirectX 12, OpenGL 4.5, H.264, H.265 (8/10 bit, encoding via QuickSync), VP9 (10 bit encoding)</p> <p>This model has three video outputs that supports 2160p/60 Hz UHD resolution: -1 x HDMI v2.0b (only HDMI v1.4b with 10 Gen "Comet Lake" processors) -2 x DisplayPort v1.4</p> <p>Supports displays with 4K Ultra HD resolution at 3840 x 2160 (60 Hz) Supports three independent displays with integrated graphics function Supports more displays in combination with a discrete graphics card Hardware video decoding/encoding DisplayPort and HDMI supports multi-channel digital audio over the same cable</p>	
HD AUDIO	<p>Realtek ALC897, 5.1 channel Three analog audio connectors (3.5 mm) on the back panel: Analog: Line-in (blue), Line-out (green), microphone input (pink) shared with 5.1 line-out: (front, rear, center/bass) Front panel: microphone input and headphone output (line-out)</p>	
GIGABIT LAN CONTROLLER	<p>Dual Gigabit network with two RJ45 ports Intel i210AT - Ethernet controller with MAC, PHY, PCI-E interface Intel i219LM - PHY connected to the MAC of the processor Supports 10/100/1000 MB/s operation Supports Wake-on-LAN, Supports Teaming Mode [3]* Supports network boot by Preboot eXecution environment (PXE)</p>	
SATA CONNECTORS	<p>4 x Serial ATA 6G connector onboard (rev 3.0, max 6 GB/s) Supports Intel Rapid Storage Technology (RST) with RAID 0/1/5/10, JBOD</p>	
FRONT PANEL CONNECTORS	<p>Microphone input Headphone output 1 x USB 3.2 Gen 1 (Type-C) 3 x USB 3.2 Gen 1 (Type-A)</p>	<p>Power button Power indicator (Blue LED) Hard disk drive indicator (Yellow LED)</p>
BACK PANEL CONNECTORS	<p>HDMI 2.0 x 1 (HDMI 1.4b for 10th Gen)* DisplayPort v1.4 x 2 [1]* USB 3.2 Gen 2 x 4 (Type-A) USB 2.0 x 4 (Type-A) Gigabit LAN RJ45 x 2 Clear CMOS button</p>	<p>Audio line-in Audio line-out Microphone input WLAN antenna holes x 3 (optional) Serial RS232 port (optional, H-RS232 accessory)</p>
OTHER CONNECTORS (ONBOARD)	<p>USB 2.0 x 1 (4-pin header) RS232 x 1 (2x5 pin) for optional H-RS232</p>	<p>Fan connectors x 2 (4 pin header) Occupied front headers for USB, audio, buttons, LEDs</p>
INCLUDED ACCESSORIES	<p>XPC installation guide Driver DVD Serial ATA cables x 2 Screw pack</p>	<p>AC Power Cord (with protective earth contacts) Protector cap for CPU socket (don't use if heatpipe/fan is mounted) Thermal paste</p>
OPTIONAL ACCESSORIES	<p>Drive adapter for 2.5" drives (PHD3) Adapter for RS232 port (H-RS232)</p>	<p>WLAN 802.11 a/c + Bluetooth 4.2 w/ antennas (WLN-M) Adapter cable for external power button (CXP01)</p>
ENVIRONMENTAL CRITERIA	<p>Operating temperature: 0 - 40°C Humidity: 10 - 90% (non-condensing)</p>	
CERTIFICATIONS	<p>EMI: FCC, CE, BSMI, C-Tick Safety: ETL, CB, BSMI Other: RoHS, Energy Star 5.0, ErP</p> <p>This model is classed as a technical information equipment (ITE) in class B and is intended for use in living rooms and offices. The CE mark approves conformity by the EU directives: (1) 2014/30/EU relating to electromagnetic compatibility (EMC) (2) 2014/35/EU relating to Electrical Equipment designed for use within certain voltage limits (LVD) (3) 2009/125/EC relating to eco-design requirements for energy related products (ErP)</p>	

*HDMI 1.4b with 10th Gen "Comet Lake" processor

For more information on all products, please contact us at sales@us.shuttle.com or **626.820.9000**

SH570R8

CUBE PC

[1] HOW TO CONVERT DISPLAYPORT TO HDMI/DVI

The DisplayPort output can be converted into a HDMI or DVI output using an additional passive adapter cable. The integrated graphics automatically detects the connected display and outputs the appropriate electric signal - either DisplayPort (without an adapter) or HDMI/DVI (with an adapter). However, a monitor with a DisplayPort connector cannot be connected to the HDMI port with a simple passive adapter.

[2] INTEGRATED GRAPHICS IS OPTIONAL FOR SOME PROCESSORS

Processors with model numbers ending with "F" (like Intel Core i5-11600F) do not support integrated graphics. In cases of these processors, a discrete PCI-E graphics card is mandatory.

[3] TEAMING MODE

The teaming function allows you to group both the available network adapters together to function as a single adapter to enable load balancing and failover. You can download the driver from the Intel website.

[4] ONLINE POWER CALCULATOR

The PCI-Express x16 slot provides a maximum of 75 watts to the graphics card, plus 75 watts and 150 watts from the 6-pin and 8-pin connector of the power supply - the power consumption of the graphics card must not exceed 300 watts. The processor may have a maximum TDP of 125 watts. If powerful PC components are used, then check with the "Power Supply Calculator" whether the built-in 500 watt power supply supports this configuration, see: <http://global.shuttle.com/support/power>. Please also refer to the support list for detailed processor and graphics cards support information at <http://global.shuttle.com>.

BIOS DOWNLOADS: <http://global.shuttle.com/products/productsDownload?productId=2595>

SUPPORT LIST: <http://global.shuttle.com/products/productsSupportList?productId=2595>

FAQ LIST: <http://global.shuttle.com/support/faq>

PRODUCT WARRANTY: <https://us.shuttle.com/barebone-support/policy-xpc-barebone/>

SH570R8

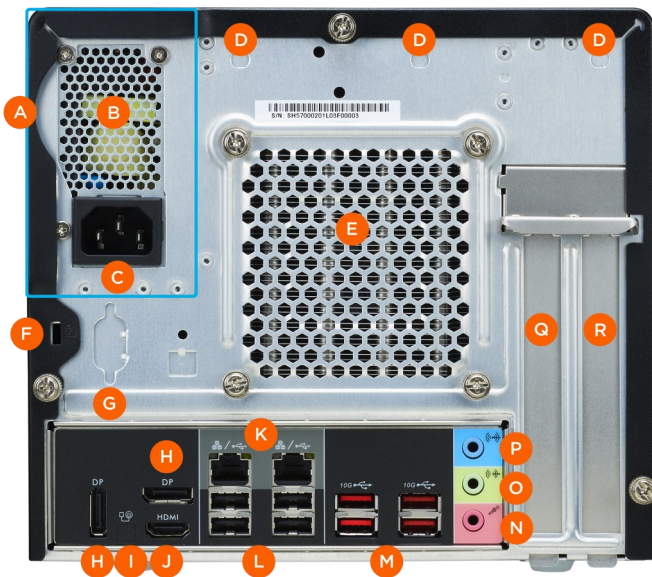
CUBE PC

Front View



- 1 Hard disk LED
- 2 Power LED
- 3 Power button
- 4 USB 3.2 Gen 1 ports x 3 (Type-A)
- 5 Microphone input
- 6 Headphone output
- 7 USB 3.2 Gen 1 x 1 (Type-C)

Back View



- A Power supply
- B Power supply fan
- C AC power connector
- D Antenna hole x 3
- E Heatpipe cooling system
- F Kensington Lock
- G Optional COM port (RS232)
- H DisplayPort output x 2
- I Clear CMOS button
- J HDMI 2.0/1.4b output*
- K Gigabit LAN port (RJ45) x 2
- L USB 2.0 x 4 (Type-A)
- M USB 3.2 Gen 2 x 4 (Type-A)
- N Microphone input
- O Audio line-out
- P Audio line-in
- Q PCI-E X16 slot
- R PCI-E X4 slot

*HDMI 1.4b with 10th Gen "Comet Lake" processor

For more information on all products, please contact us at sales@us.shuttle.com or 626.820.9000

© 2021 Shuttle Computer Group, Inc. All rights reserved. Specifications are subject to change without notice. Not responsible for any photographic or typographic errors. Photos shown may vary from actual look. Intel, the Intel logo, and Intel Core are trademarks of Intel Corporation or its subsidiaries in the US and/or other countries. ©Intel Corporation

SH570R8

CUBE PC



SUPPORTS INTEL® 10TH AND 11TH GENERATION PROCESSORS

The SH570R8 supports Intel® 10th/11th Generation (Comet Lake-S /Rocket Lake-S) Core™ i3/i5/i7/i9, Pentium®, and Celeron® 125W processors. With new processors up to 10 cores, the platform supports up to 128 GB of DDR4-3200* memory.

*DDR4 clock frequency depends on processor: 11th Gen “Rocket Lake” supports DDR4-3200, 10th Gen “Comet



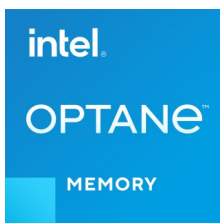
SUPPORTS PCI-E EXPANSION CARDS

PCI-E X16 4.0 and PCI-E X4 3.0 slots are provided for use with multi-display graphic cards, monitor cards, RAID cards, professional sound cards and more.



24/7 NONSTOP OPERATION

Officially approved for 24/7 operation, the SH570R8 provides stable operation to run reliably for long-term demands of computing work.



INTEL® OPTANE™ MEMORY READY

Supports Intel® Optane™ Memory technology to accelerate traditional storage devices, the SH570R8 makes your overall system performance faster and delivers amazing storage speed.



SMART FAN DESIGN

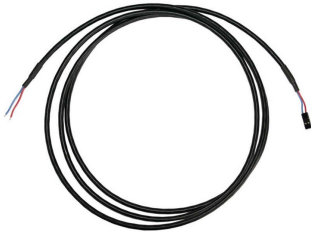
A heat-pipe cooling design with smart fan design can be set in the BIOS for faster fan speed automatically when CPU temperature increases for high stability and low noise during long term operation.

For more information on all products, please contact us at sales@us.shuttle.com or 626.820.9000

© 2021 Shuttle Computer Group, Inc. All rights reserved. Specifications are subject to change without notice. Not responsible for any photographic or typographic errors. Photos shown may vary from actual look. Intel, the Intel logo, and Intel Core are trademarks of Intel Corporation or its subsidiaries in the US and/or other countries. ©Intel Corporation

SH570R8

CUBE PC



ACCESSORY	CXP01
DESCRIPTION	For Shuttle models with a connector for an external power button, this 2-meter cable includes fitting connections that only requires a push button switch.
PORTS	Dual head connector: 2.54 mm pitch Two female crimp contact pins, tin-plated Outer diameter: 6.5 mm Two-pole cable: 2 x 0.34 mm
REMARKS	-Cable provides tin-plated leads for a push button switch -Connection to the external power button can be screw-type or soldering



ACCESSORY	H-RS232
DESCRIPTION	With the help of this adapter, a serial RS232 port can be equipped in several XPCs. A sub-D connector is added to the back panel and is connected to the serial interface on the motherboard.
PORTS	External: Sub-D, 9 pins, male Internal: 10 pin (2x5), female



ACCESSORY	PHD3
DESCRIPTION	The PHD3 allows for installation of up to two 2.5" HDD/SSD into a larger 3.5" drive bay. With a second PHD3, up to four 2.5" drives can be installed (4th drive can only be installed in XPCs of the J & R series)
REMARKS	Please check number of available SATA data and power connectors. Current XPC models usually offer four SATA data connectors and three SATA power connectors.



ACCESSORY	WLN-M
DESCRIPTION	The WLN-M wireless LAN kit can be used to equip XPC cube and slim series models with the wireless LAN standard 802.11 b/g/n/ac at 2.4/5 GHz. The combo device supports Bluetooth 4.0.
ITEMS INCLUDED	M.2 2230 WLAN card, XPC slim antenna cables x 2, XPC cube antenna cables x 2, Dipole antennas x 2, Quick guide, Driver DVD
OS SUPPORT	Windows 7, Windows 8.1, Windows 10, Linux (32/64 bit)

For more information on all products, please contact us at sales@us.shuttle.com or 626.820.9000

© 2021 Shuttle Computer Group, Inc. All rights reserved. Specifications are subject to change without notice. Not responsible for any photographic or typographic errors. Photos shown may vary from actual look. Intel, the Intel logo, and Intel Core are trademarks of Intel Corporation or its subsidiaries in the US and/or other countries. ©Intel Corporation

SH370R8 vs SH570R8

CUBE PC



MODEL	SH370R8	SH570R8
CHIPSET	Intel H370	Intel H570
PROCESSOR SUPPORT	LGA 1151v2, max TDP 95W 14nm Coffee Lake (8th/9th Gen Core CPU) Intel® Core™ i3/i5/i7/i9, Pentium, Celeron Intel® Optane™ Memory Technology support	LGA 1200, max TDP 125W 14nm Coffee Lake (10th/11th Gen Core CPU) Intel® Core™ i3/i5/i7/i9, Pentium, Celeron Intel® Optane™ Memory Technology support
MEMORY	4 x 32GB DDR4 2400/2666 MHz max	4 x 32GB DDR4 3200 MHz max
PCI-E SLOTS	(1) PCI-E X16 v3.0 (1) PCI-E X4 v3.0	(1) PCI-E X16 v4.0 (1) PCI-E X4 v3.0
VIDEO OUTPUT	HDMI 2.0a + DisplayPort 1.2, Supports triple independent displays, Supports 4K Ultra HD, DirectX 12	HDMI 2.0b + DisplayPort 1.4, Supports triple independent displays, Supports 4K Ultra HD, DirectX 12
AUDIO	Realtek ALC662, 5.1 channel HD audio	Realtek ALC897, 5.1 channel HD audio
ETHERNET	Intel i211 x 2 10/100/1000 MB/s operation Supports Wake on LAN function Supports Teaming function	Intel i210AT + i219LM 10/100/1000 MB/s operation Supports Wake on LAN function Supports Teaming function
SATA ONBOARD	SATA 6G x 4	SATA 6G x 4
FRONT PANEL	Power button with LED, HDD LED, MIC-in, Headphone out, USB 3.2 Gen 1 x 2	Power button with LED, HDD LED, MIC-in, Headphone out, USB 3.2 Gen 1 x 1 (Type-C), USB 3.2 Gen 1 x 3 (Type-A)
BACK PANEL	HDMI 2.0a, DisplayPort 1.2 USB 3.2 Gen 1 x 4, USB 3.2 Gen 2 x 4, USB 2.0 x 2 Gigabit LAN (Intel i211) x 2 Audio x 3, Clear CMOS button	HDMI 2.0b x 1*, DisplayPort 1.4 x 2 USB 3.2 Gen 2 x 4, USB 2.0 x 4, Gigabit LAN (Intel i210AT + i219LM) x 2 Audio x 3, Clear CMOS button
DRIVE BAYS	(4) 3.5" HDD bay	(4) 3.5" HDD bay
POWER	500W 80 PLUS Silver	500W 80 PLUS Gold
OPTIONAL ACCESSORIES	RS232 port (H-RS232) WLAN kit 802.11 ac + Bluetooth 4.0 (WLN-M) 2.5" drive rack (PHD3)	RS232 port (H-RS232) WLAN kit 802.11 ac + Bluetooth 4.2 (WLN-M) 2.5" drive rack (PHD3) Adapter cable for external power button (CXP01)
EXPANSION SLOT	M.2 2280M slot M.2 2230E slot SATA and PCI-E V3 X4 (NVMe support)	M.2 2280M slot M.2 2230E slot SATA and PCI-E V3 X4 (NVMe support)
OS SUPPORT	Windows 10, Linux 64 bit	Windows 10, Linux 64 bit

*HDMI 1.4b with 10th Gen "Comet Lake" processor

For more information on all products, please contact us at sales@us.shuttle.com or 626.820.9000

SH570R8

CUBE PC

10th Generation Intel Core Desktop Processors (LGA 1200 14 nm Comet Lake-S)

Name	Model	Cores/Threads	CPU Clock	Turbo Clock	Cache	TDP	Memory	Graphics	Graphics Clock
Core i9	10900K	10/20	3.7 GHz	5.1 GHz	20 MB	125W	DDR4-2933	UHD 630	1.2 GHz
	10900KF	10/20	3.7 GHz	5.1 GHz	20 MB	125W	DDR4-2933	-	-
	10900	10/20	2.8 GHz	5.0 GHz	20 MB	65W	DDR4-2933	UHD 630	1.2 GHz
	10900F	10/20	2.8 GHz	5.0 GHz	20 MB	65W	DDR4-2933	-	-
	10900T	10/20	1.9 GHz	4.5 GHz	20 MB	35W	DDR4-2933	UHD 630	1.2 GHz
	10850K	10/20	3.6 GHz	5.0 GHz	20 MB	125W	DDR4-2933	UHD 630	1.2 GHz
Core i7	10700K	8/16	3.8 GHz	5.0 GHz	16 MB	125W	DDR4-2933	UHD 630	1.2 GHz
	10700KF	8/16	3.8 GHz	5.0 GHz	16 MB	125W	DDR4-2933	-	-
	10700	8/16	2.9 GHz	4.7 GHz	16 MB	65W	DDR4-2933	UHD 630	1.2 GHz
	10700F	8/16	2.9 GHz	4.7 GHz	16 MB	65W	DDR4-2933	-	-
	10700T	8/16	2.0 GHz	4.4 GHz	16 MB	35W	DDR4-2933	UHD 630	1.2 GHz
Core i5	10600K	6/12	4.1 GHz	4.8 GHz	12 MB	125W	DDR4-2666	UHD 630	1.2 GHz
	10600KF	6/12	4.1 GHz	4.8 GHz	12 MB	125W	DDR4-2666	-	-
	10600	6/12	3.3 GHz	4.8 GHz	12 MB	65W	DDR4-2666	UHD 630	1.2 GHz
	10600T	6/12	2.4 GHz	4.0 GHz	12 MB	35W	DDR4-2666	UHD 630	1.2 GHz
	10500	6/12	3.1 GHz	4.5 GHz	12 MB	65W	DDR4-2666	UHD 630	1.15 GHz
	10500T	6/12	2.3 GHz	3.8 GHz	12 MB	35W	DDR4-2666	UHD 630	1.1 GHz
	10400	6/12	2.9 GHz	4.3 GHz	12 MB	65W	DDR4-2666	UHD 630	1.1 GHz
	10400F	6/12	2.9 GHz	4.3 GHz	12 MB	65W	DDR4-2666	-	-
Core i3	10400T	6/12	2.0 GHz	3.6 GHz	12 MB	35W	DDR4-2666	UHD 630	1.1 GHz
	10325	4/8	3.9 GHz	4.7 GHz	8 MB	65W	DDR4-2666	UHD 630	1.15 GHz
	10320	4/8	3.8 GHz	4.6 GHz	8 MB	65W	DDR4-2666	UHD 630	1.15 GHz
	10305	4/8	3.8 GHz	4.5 GHz	8 MB	65W	DDR4-2666	UHD 630	1.15 GHz
	10305T	4/8	3.8 GHz	4.5 GHz	8 MB	65W	DDR4-2666	UHD 630	1.1 GHz
	10300	4/8	3.7 GHz	4.4 GHz	8 MB	65W	DDR4-2666	UHD 630	1.15 GHz
	10300T	4/8	3.0 GHz	3.9 GHz	8 MB	35W	DDR4-2666	UHD 630	1.1 GHz
	10105F	4/8	3.7 GHz	4.4 GHz	6 MB	65W	DDR4-2666	-	-
	10105	4/8	3.7 GHz	4.4 GHz	6 MB	65W	DDR4-2666	UHD 630	1.1 GHz
	10105T	4/8	3.0 GHz	3.9 GHz	6 MB	35W	DDR4-2666	UHD 630	1.1 GHz
	10100	4/8	3.6 GHz	4.3 GHz	6 MB	65W	DDR4-2666	UHD 630	1.1 GHz
	10100F	4/8	3.6 GHz	4.3 GHz	6 MB	65W	DDR4-2666	-	-
Pentium Gold	10100T	4/8	3.0 GHz	3.8 GHz	6 MB	35W	DDR4-2666	UHD 630	1.1 GHz
	G6605	2/4	3.0 GHz	3.8 GHz	6 MB	35W	DDR4-2666	UHD 630	1.1 GHz
	G6600	2/4	4.3 GHz	-	4 MB	58W	DDR4-2666	UHD 630	1.1 GHz
	G6505	2/4	4.2 GHz	-	4 MB	58W	DDR4-2666	UHD 630	1.1 GHz
	G6500	2/4	4.2 GHz	-	4 MB	58W	DDR4-2666	UHD 630	1.1 GHz
	G6500T	2/4	3.5 GHz	-	4 MB	35W	DDR4-2666	UHD 630	1.05 GHz
	G6405	2/4	4.1 GHz	-	4 MB	58W	DDR4-2666	UHD 610	1.05 GHz
	G6405T	2/4	3.5 GHz	-	4 MB	35W	DDR4-2666	UHD 610	1.05 GHz
	G6400	2/4	4.0 GHz	-	4 MB	58W	DDR4-2666	UHD 610	1.05 GHz
G6400T	2/4	3.4 GHz	-	4 MB	35W	DDR4-2666	UHD 610	1.05 GHz	

K = unlocked, T = power optimized, F = no integrated graphics, TDP = thermal design power (max power consumption).

The SH570R8 does not support the unlock function of Intel K-series processors. See more support information at global.shuttle.com

For more information on all products, please contact us at sales@us.shuttle.com or 626.820.9000

SH570R8

CUBE PC

10th Generation Intel Core Desktop Processors (LGA 1200 14 nm Comet Lake-S) cont.

Name	Model	Cores/Threads	CPU Clock	Turbo Clock	Cache	TDP	Memory	Graphics	Graphics Clock
Core i9	G5925	2/2	3.6 GHz	-	4 MB	58W	DDR4-2666	UHD 610	1.05 GHz
	G5920	2/2	3.5 GHz	-	2 MB	58W	DDR4-2666	UHD 610	1.05 GHz
	G5905	2/2	3.5 GHz	-	4 MB	58W	DDR4-2666	UHD 610	1.05 GHz
	G5905T	2/2	3.3 GHz	-	4 MB	35W	DDR4-2666	UHD 610	1.05 GHz
	G5900	2/2	3.4 GHz	-	2 MB	58W	DDR4-2666	UHD 610	1.05 GHz
	G5900T	2/2	3.2 GHz	-	2 MB	35W	DDR4-2666	UHD 610	1.05 GHz

11th Generation Intel Core Desktop Processors (LGA 1200 14 nm Rocket Lake-S)

Name	Model	Cores/Threads	CPU Clock	Turbo Clock	Cache	TDP	Memory	Graphics	Graphics Clock
Core i9	11900K	8/16	3.5 GHz	5.3 GHz	16 MB	125W	DDR4-3200	UHD 750	1.3 GHz
	11900KF	8/16	3.5 GHz	5.3 GHz	16 MB	125W	DDR4-3200	-	-
	11900	8/16	2.5 GHz	5.2 GHz	16 MB	65W	DDR4-3200	UHD 750	1.3 GHz
	11900F	8/16	2.5 GHz	5.2 GHz	16 MB	65W	DDR4-3200	-	-
	11900T	8/16	1.5 GHz	4.9 GHz	16 MB	35W	DDR4-3200	UHD 750	1.3 GHz
Core i7	11700K	8/16	3.6 GHz	5.0 GHz	16 MB	125W	DDR4-3200	UHD 750	1.3 GHz
	11700KF	8/16	3.6 GHz	5.0 GHz	16 MB	125W	DDR4-3200	-	-
	11700	8/16	2.5 GHz	4.9 GHz	16 MB	65W	DDR4-3200	UHD 750	1.3 GHz
	11700F	8/16	2.5 GHz	4.9 GHz	16 MB	65W	DDR4-3200	-	-
	11700T	8/16	1.4 GHz	4.6 GHz	16 MB	35W	DDR4-3200	UHD 750	1.3 GHz
Core i5	11600K	6/12	3.9 GHz	4.9 GHz	12 MB	125W	DDR4-3200	UHD 750	1.3 GHz
	11600KF	6/12	3.9 GHz	4.9 GHz	12 MB	125W	DDR4-3200	-	-
	11600	6/12	2.8 GHz	4.8 GHz	12 MB	65W	DDR4-3200	UHD 750	1.3 GHz
	11600T	6/12	1.7 GHz	4.1 GHz	12 MB	35W	DDR4-3200	UHD 750	1.3 GHz
	11500	6/12	2.7 GHz	4.6 GHz	12 MB	65W	DDR4-3200	UHD 750	1.3 GHz
	11500T	6/12	1.5 GHz	3.9 GHz	12 MB	35W	DDR4-3200	UHD 750	1.2 GHz
	11400	6/12	2.6 GHz	4.4 GHz	12 MB	65W	DDR4-3200	UHD 730	1.3 GHz
	11400F	6/12	2.6 GHz	4.4 GHz	12 MB	65W	DDR4-3200	-	-
11400T	6/12	1.3 GHz	3.7 GHz	12 MB	35W	DDR4-3200	UHD 730	1.2 GHz	

K = unlocked, T = power optimized, F = no integrated graphics, TDP = thermal design power (max power consumption).

The SH570R8 does not support the unlock function of Intel K-series processors. See more support information at global.shuttle.com

For more information on all products, please contact us at sales@us.shuttle.com or 626.820.9000

© 2021 Shuttle Computer Group, Inc. All rights reserved. Specifications are subject to change without notice. Not responsible for any photographic or typographic errors. Photos shown may vary from actual look. Intel, the Intel logo, and Intel Core are trademarks of Intel Corporation or its subsidiaries in the US and/or other countries. ©Intel Corporation