

SH170R6

CUBE PC



PROCESSOR	Supports Intel® Skylake and Kabylake 95W Core® i3/i5/i7 series, Pentium, and Celeron® LGA 1151 processors	
MEMORY	DDR4 2133 MHz, Supports dual channel up to 64GB (16GB x 4)	
VIDEO GRAPHICS	Intel HD Graphics, Supports DirectX 12	
VIDEO OUTPUT	HDMI + DisplayPort, Supports two independent displays, Supports 4K Ultra HD	
AUDIO	Realtek ALC892, 7.1 channel HD audio	
ETHERNET	Intel i219LM 10/100/1000 MB/s operation	Supports Wake on LAN function
STORAGE INTERFACE	SATA 6 GB/s	
ONBOARD CONNECTORS	(2) 4 pin fan connector (4) SATA 6.0 connectors (1) ATX main power (2x10) (1) ATX 12V power (2x2) (1) Low pin count header	(1) RS232 header (1) Front USB 2.0 header (1) Front USB 3.0 header (1) Front audio header (1) 2x5 pin USB header
FRONT PANEL	(1) Power Button (1) Power LED (1) HDD LED (1) USB 2.0	(1) USB 2.0 w/ mobile charger (2) USB 3.0 (1) External microphone jack 1/8" (1) External headphone jack 1/8"
BACK PANEL	(1) HDMI (1) DisplayPort (6) USB 3.0 (1) eSATA port (2) LAN ports (1) Kensington Lock	(1) Side surround jack 1/8" (1) Rear surround jack 1/8" (1) Center bass out jack 1/8" (1) Line-in jack 1/8" (1) Line out jack 1/8" (1) Clear CMOS button
DRIVE BAYS	(1) 5.25" ODD bay (2) 3.5" HDD bay	Supports up to 2.5" HDD x2 or x4 if PHD3 HDD rack x1 or x2 accessory is used
DIMENSIONS	13(L) x 8.5(W) x 7.79(H) inches	
POWER	Input: 100 - 240V AC Supports 80 PLUS Bronze	80 PLUS 300W power supply
ACCESSORIES	Quick Guide CPU Thermal Grease SATA cable x 2	Driver DVD Power Cord Screw Package
EXPANSION SLOT	(1) PCI-E X16 slot (1) PCI-E X4 slot	(1) Half-size Mini PCI-E slot (1) M.2 MAX to 2280 Type M key socket
OS SUPPORT	Windows 7, Windows 8.1, Windows 10, Linux	

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R6-CHASSIS	Glossy plastic with horizontal line textures Drive bays: 1 x 5.25" ODD, 2 x 3.5" HDD (1 x internal, 1 x external) Supports up to 2 x 2.5" HDD if PHD3 rack accessory x1 or x2 is used Front doors for I/O ports and storage drives Kensington lock slot on the back as part of anti-theft system Dimensions: 13 (L) x 8.5 (W) x 7.79 (H) inches Weight: 7.7 LBS (net) / 11 LBS (gross)
MAINBOARD AND CHIPSET	Shuttle mainboard FH170, proprietary design for XPC SH170R6 Dimensions: 270 x 195 mm Chipset: Intel® H170 (Intel® DH82H170 PCH, Codename: Sunrise Point) Platform Controller Hub (PCH) as Single Chip Solution Solid capacitors for sensitive areas provide excellent heat resistance for enhanced system durability
BIOS	AMI BIOS, SPI Interface, 32MB Flash-ROM with SPI interface Supports PnP, ACPI 3.0, Hardware Monitoring Supports boot up from external USB flash memory Supports Unified Extensible Firmware Interface (UEFI)
POWER SUPPLY	Built-in 300W mini switching power supply (model PC61J) AC input voltage: 100 - 240V, 50 - 60 Hz 80 PLUS Bronze compliant: PSU provides at least 82/85/82% of efficiency at 20/50/100% load Active PFC Circuit (Power Factor Correction) ATX main power connectors: 2x10 and 2x2 pin Graphics power connector: 6 pin Other connectors: 4 x SATA, 2 x Molex, 1 x Floppy
OPERATING SYSTEM	The system comes without an operating system installed. Compatibility: Windows 7, Windows 8.1, Windows 10, Linux 64bit Windows 7 and Windows 8.1 is only supported in combination with 6th generation Intel® Core® processors [7]*
PROCESSOR SUPPORT	LGA 1151 (H4) Socket supports Intel® Core® i3/i5/i7, Pentium, and Celeron processors [8]* -6th generation (Skylake) -7th generation (KabyLake) Max supported processor power consumption (TDP): 95W 14nm process technology, up to 8MB of L3 cache Not compatible with Intel® Xeon E3 V5 processors for processors with LGA 1150 and LGA 1151 sockets The unlock function for Intel® K-Series processors is not supported with this model The processor integrates PCI-Express, the memory controller, and graphics engine on the same die (performance features depend on the processor type) Please refer to the support list for more detailed processor information at global.shuttle.com
SYSTEM COOLING	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
MEMORY SUPPORT	4 x 288 pin slots Supports DDR4 2133 MHz memory (PC4-17066) at 1.2V Supports Dual Channel mode Supports a max. of 16GB per DIMM, up to 32GB total
MINI PCI-E SLOT	Mini PCI-E Half-Size slot with PCI-E 2.0 and USB interface Supports one optional Wireless Network (WLAN) card
PCI-E SLOTS	1 x PCI-Express x16 v3.0 slot (PEG, for graphic cards only) 1 x PCI-Express x4 v3.0 slot Supports dual slot (double width) graphic cards (occupies the second PCI-Express slot) 6 pin power connector for graphic card
M.2 SLOTS	This model has a M.2 2280 BM slot, providing the following interfaces: -PCI-Express Gen. 3.0 x 4 with up to 32GB/s data transfer speed -SATA v3.0 (max 6GB/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

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INTEGRATED GRAPHICS	<p>Intel HD graphics function features depend on the processor type used Supports DirectX 12, OGL 5.x, OCL 2.x</p> <p>This model has three video outputs: [6]* -HDMI v1.4 (1080p/60 and 2160p/30 supported) -DisplayPort v1.2 x 2 (1080p/60 and 2160p/60 supported)</p> <p>Supports displays with 4K Ultra HD resolution at 3840 x 2160 [3]* Supports three independent Full HD displays with integrated graphics function Supports more displays in combination with a discrete graphics card [2]* Supports Blu-Ray playback with HDCP content protection Supports multi-channel digital audio over the same cable Maximum shared memory: 512MB</p>	
7.1 CHANNEL AUDIO	<p>7.1 channel High Definition Audio with Realtek ALC892 codec Analog: Line-out (7.1 channel), Line-in, Microphone, AUX input (onboard) Digital Audio via HDMI and DisplayPort outputs</p>	
GIGABIT LAN CONTROLLER	<p>Intel i219LM PHY connected to the MAC of the processor Supports 10/100/1000 MB/s operation Supports Wake-on-LAN Supports network boot by Preboot eXecution environment (PXE)</p>	
SATA CONNECTORS	<p>The mainboard provides six Serial-ATA 3.0 interfaces, max 6GB/s supported 4 x Serial ATA connectors onboard 1 x External Serial ATA (eSATA) connector on the back panel 1 x M.2 slot onboard for flash memory cards Support Intel Rapid Storage Technology (RST, Raid 0/1/5/10, JBOD)</p>	
FRONT PANEL CONNECTORS	<p>Microphone input Headphone output (line-out) 2 x USB 3.0 2 x USB 2.0 (1 x fast charge up to 2A) [4]*</p> <p>Power button Power indicator (Blue LED) Hard disk drive indicator (Yellow LED)</p>	
BACK PANEL CONNECTORS	<p>HDMI v1.4 DisplayPort v1.2 x 2 [5]* USB 3.0 x 6 Audio line-out (2 x rear/front, bass/center, surround/back) External Serial ATA (eSATA 6gb/s)</p> <p>Audio line-in Clear CMOS button Gigabit LAN (RJ45) WLAN antenna holes x 3 (optional) Serial RS232 port (optional, H-RS232 accessory)</p>	
OTHER CONNECTORS (ONBOARD)	USB 2.0 x 2 (2x5 pin) RS232 (2x5 pin) for optional H-RS232	Fan connectors x 2 (4 pin), one connector is occupied Low Pin Count header (LPC, 2x10 pin, 2mm pitch size)
INCLUDED ACCESSORIES	<p>XPC installation guide Driver DVD Serial ATA cables x 2 Screw pack</p> <p>AC Power Cord (with protective earth contacts) Thermal paste Protector cap for CPU socket (don't use if heatpipe/fan is mounted)</p>	
OPTIONAL ACCESSORIES	COM port adapter for RS232 (H-RS232) Wireless LAN 802.11 w/ antennas (WLN-C)	3.5" to 2.5" drive adapter (PHD3) 500W power supply, 80 PLUS Silver (PC63J)
ENVIRONMENTAL CRITERIA	Operating temperature: 0 - 40°C	Humidity: 10 - 90% (non-condensing)
CERTIFICATIONS	<p>EMI: FCC, CE, BSMI, C-Tick Safety: ETL, CB, BSMI</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) 2004/108/EC relating to electromagnetic compatibility (EMC) (2) 2006/95/EC 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>	

*See following page for specification notes

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[1] ABOUT OVERCLOCKING

Please note there is a certain risk involved with overclocking, including adjusting the BIOS settings or using third party overclocking tools. Overclocking may affect your system stability or even cause damage of the components and devices in the system. Shuttle cannot be held responsible for possible damage caused by overclocking as it is done at your own risk and expense.

[2] SUPPORTS ADDITIONAL DISPLAYS

The integrated graphics already supports two additional displays via digital video outputs but with a discrete PCI-Express graphics card, this model can support more displays. This function is based on the Switchable Graphics feature introduced with the 2nd generation of Intel® Core™ processors. This can be enabled in the BIOS setup utility by pressing the “Delete” key after powering on the PC and going to the “Advanced” tab to change the “Initiate Graphics Adapter” setting to “Switchable”.

[3] 4K ULTRA HD RESOLUTION

A 4K display with Ultra HD resolution (3840 x 2160) should be connected via DisplayPort (supports a higher refresh rate of 60 Hz). Video playback performance depends on the video format, bitrate, and processor used. Daily office applications wouldn't require the system to full load but playback requirements for smooth 4K video (2160p) requirements will be different (an Intel® Core™ i3 processor or higher would be needed for this).

[4] RIGHT FRONT USB PORT WITH FAST CHARGE

Under Windows, Apple iPhone/iPad devices can be fast charged up to 2A (not supported for Linux)

[5] 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.

[6] SIMULTANEOUS THREE DISPLAYS

The SH170R6 supports a maximum of two displays with a DVI or HDMI input. If needed, a third digital display requires connecting directly to the DisplayPort output (without an adapter).

[7] INSTALLATION OF WINDOWS 7

The Intel® 100 chipset series no longer supports the Enhanced Host Controller Interface (EHCI), which is the driver software for USB 2.0 ports. The new chipset only supports the updated Extensible Host Controller Interface (xHCI for USB 3.0) which is not supported by the original Windows 7 installation disk. This means that peripheral devices connected by USB (like a keyboard or mouse) will not work during the Windows 7 installation. There are two solutions that can be used: (1) use a PS/2 keyboard or mouse and install Windows 7 from an internal DVD drive or (2) add the required USB 3.0 drivers to the Windows 7 installation files (the steps for this solution can be found in the Shuttle FAQ section of global.shuttle.com)

[8] KABYLAKE PROCESSOR SUPPORT

7th generation Intel® Core™ processors are supported from BIOS version SH170000.202. The BIOS can be downloaded from global.shuttle.com/support/download. If a Kabylake processor is used, this model will only support Windows 10 and Linux operating systems. Windows 7 and 8.1 will no longer be supported.

BIOS DOWNLOADS: <http://global.shuttle.com/products/productsDownload?productId=1925>

SUPPORT LIST: <http://global.shuttle.com/products/productsSupportList?productId=1925>

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

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

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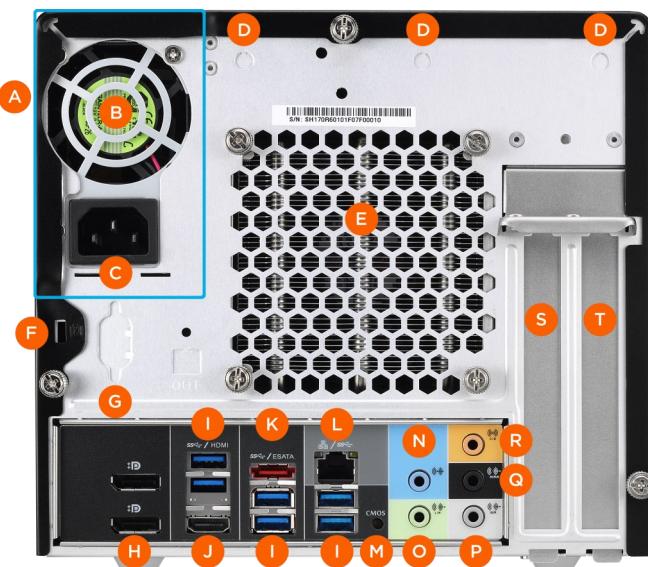
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Front View



- 1 5.25" optical drive bay
- 2 Eject button (optical drive)
- 3 3.5" drive bay
- 4 Hard disk LED
- 5 Power LED
- 6 Power button
- 7 USB 3.0 x 2
- 8 USB 2.0
- 9 Microphone input
- 10 Headphone input

Back View



A	Power supply	K	External Serial ATA
B	Power supply fan	L	Gigabit LAN port (RJ45)
C	AC power connector	M	Clear CMOS button
D	Antenna hole	N	Audio line-in
E	Heatpipe cooling system	O	Audio surround front
F	Kensington Lock	P	Audio surround side
G	Optional COM port (RS232)	Q	Audio surround rear
H	DisplayPort video output x 2	R	Audio center/bass
I	USB 3.0 x 6	S	PCI-E X16 slot
J	HDMI output	T	PCI-E X4 slot

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SUPPORTS INTEL® 6TH AND 7TH GENERATION PROCESSORS

The SH170R6 support both Intel® 6th Generation (Sky Lake) and Intel® 7th Generation (Kaby Lake) Core i3/i5/i7, Pentium®, and Celeron® 95W processors. Built-in DirectX 12 compatibility with Intel® HD graphics significantly increases CPU or GPU performance.



SUPPORTS PCI-E EXPANSION CARDS

PCI-E X16 and PCI-E X4 slots are provided for use with multi-display graphic cards, monitor cards, RAID cards, professional sound cards and more (up to a max. size of 10.7" (L) x 1.5" (W) x 3.8" (H)).



EXPANSION SLOTS

One M.2 2280 Type M and one Half-Size Mini PCI-E slot are built-in for a M.2 SSD, a Wi-Fi card, or other compatible devices. Type 2242/2260 and M.2 cards with a width of 22 mm and length of 80 mm are also supported.



FLEXIBLE EXPANSION FOR HARD DISK INSTALLATION

The SH170R6 provides space for the installation of one 5.25" ODD and two 3.5" hard disks. With an optional PHD3 accessory, a maximum of four 2.5" hard drives or SSDs can be installed.



INTEGRATED COOLING ENGINE (I.C.E.)

For proper airflow inside a small case, Shuttle's I.C.E. heatpipe technology has been developed and implemented in Shuttle XPCs to deliver efficient cooling that is exceptionally quiet.

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ACCESSORY	WLN-P
DESCRIPTION	The WLN-P wireless LAN kit can be used to equip XPC cube and slim series models with the wireless LAN standard 802.11 n/ac at 2.4/5 GHz. The combo device supports Bluetooth 4.0.
ITEMS INCLUDED	Mini PCI-E half size card x 1, Antenna cable (XPC slim) x 2, Antenna cable (XPC cube) x 2, Dipole antenna x 2, Quick Guide, Driver DVD
OS SUPPORT	Windows 7, Windows 8.1, Windows 10, Linux (32/64 bit)



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	PC63J
DESCRIPTION	The PC63J can be utilized as a power supply upgrade for entry level and mainstream XPC cube models. With 80 PLUS Silver certification, it consumes less power and saves more energy.
REMARKS	Input voltage: 100 - 240V AC Input current: 8A/4A for 115V - 230V AC Input frequency: 50 - 60 Hz Operating temperature: 10°C to 50°C Storage temperature: -40°C to 70°C Watt: 500W



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 connector and three SATA power connectors.

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SH110R4 vs SH170R6

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MODEL	SH110R4	SH170R6
CHIPSET	Intel H110	Intel H170
PROCESSOR SUPPORT	LGA 1151, max TDP 95W 14nm Skylake (6th Gen Core CPU) 14nm Kabylake (7th Gen Core CPU) Intel® Core™ i3/i5/i7, Pentium, Celeron	LGA 1151, max TDP 95W 14nm Skylake (6th Gen Core CPU) 14nm Kabylake (7th Gen Core CPU) Intel® Core™ i3/i5/i7, Pentium, Celeron
MEMORY	2 x 16GB DDR4 2133 MHz max	4 x 16GB DDR4 2133 MHz max
PCI-E SLOTS	(1) PCI-E X16 v3.0 (1) PCI-E X1 v2.0	(1) PCI-E X16 v3.0 (1) PCI-E X4 v3.0
VIDEO OUTPUT	HDMI + DisplayPort, Supports two independent displays, Supports 4K Ultra HD, DirectX 12	HDMI + DisplayPort, Supports triple independent displays , Supports 4K Ultra HD, DirectX 12
AUDIO	Realtek ALC662, 5.1 channel HD audio	Realtek ALC892, 7.1 channel HD audio
ETHERNET	Intel i219LM 10/100/1000 MB/s operation Supports Wake on LAN function	Intel i219LM 10/100/1000 MB/s operation Supports Wake on LAN function
SATA ONBOARD	SATA 6G x 3	SATA 6G x 4 eSATA 6G x 1
FRONT PANEL	Power button with LED, HDD LED, MIC-in, Headphone out, USB 3.0 x 2	Power button with LED, HDD LED, MIC-in, Headphone out, USB 2.0 x 2, USB 3.0 x 2
BACK PANEL	HDMI, DisplayPort, VGA USB 2.0 x 4, USB 3.0 x 2, PS/2 combo Gigabit LAN (Intel i219LM) Audio x 3, Clear CMOS button	HDMI, DisplayPort USB 3.0 x 6 Gigabit LAN (Intel i219LM) x 2 Audio x 5 , Clear CMOS button
DRIVE BAYS	(1) 5.25" ODD bay (2) 3.5" HDD bay	(1) 5.25" ODD bay (2) 3.5" HDD bay
POWER	300W 80 PLUS Bronze	300W 80 PLUS Bronze
OPTIONAL ACCESSORIES	500W power supply (PC63J) RS232 port (H-RS232) WLAN kit 802.11n/ac + Bluetooth (WLN-M) 2.5" drive rack (PHD3)	500W power supply (PC63J) RS232 port (H-RS232) WLAN kit 802.11n/ac + Bluetooth (WLN-P) 2.5" drive rack (PHD3)
EXPANSION SLOT	M.2 2280 slot SATA and PCI-E V2 X4	M.2 2280 slot SATA and PCI-E V3 X4 (NVMe support)
OS SUPPORT	Windows 7, Windows 8.1, Windows 10, Linux 64 bit*	Windows 7, Windows 8.1, Windows 10, Linux 64 bit*

*Windows 7 and 8.1 supported by Skylake CPU only

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6th Generation Intel Core Desktop Processors (LGA 1151 14 nm Skylake-S)

Name	Model	Cores/Threads	CPU Clock	Turbo Clock	Cache	TDP	Graphics	Graphics Clock
Core i7	6700K	4 / 8	4.0 GHz	4.2 GHz	8 MB	91W	HD 530	350 - 1150 MHz
	6700	4 / 8	3.4 GHz	4.0 GHz	8 MB	65W	HD 530	350 - 1150 MHz
	6700T	4 / 8	2.8 GHz	3.6 GHz	8 MB	35W	HD 530	350 - 1100 MHz
Core i5	6600K	4 / 4	3.5 GHz	3.9 GHz	6 MB	91W	HD 530	350 - 1150 MHz
	6600	4 / 4	3.3 GHz	3.9 GHz	6 MB	65W	HD 530	350 - 1150 MHz
	6600T	4 / 4	2.7 GHz	3.5 GHz	6 MB	35W	HD 530	350 - 1100 MHz
	6500	4 / 4	3.2 GHz	3.6 GHz	6 MB	65W	HD 530	350 - 1150 MHz
	6500T	4 / 4	2.5 GHz	3.1 GHz	6 MB	35W	HD 530	350 - 1100 MHz
	6400	4 / 4	2.7 GHz	3.3 GHz	6 MB	65W	HD 530	350 - 1150 MHz
	6400T	4 / 4	2.2 GHz	2.8 GHz	6 MB	35W	HD 530	350 - 1100 MHz
	6320	2 / 4	3.9 GHz	-	4 MB	65W	HD 530	350 - 1150 MHz
Core i3	6300	2 / 4	3.8 GHz	-	4 MB	65W	HD 530	350 - 1150 MHz
	6300T	2 / 4	3.3 GHz	-	4 MB	35W	HD 530	350 - 1100 MHz
	6100	2 / 4	3.7 GHz	-	4 MB	65W	HD 530	350 - 1150 MHz
	6100T	2 / 4	3.2 GHz	-	4 MB	35W	HD 530	350 - 1100 MHz
	6100T	2 / 4	3.2 GHz	-	4 MB	35W	HD 530	350 - 1100 MHz
Pentium	G4520	2 / 2	3.6 GHz	-	3 MB	51W	HD 530	350 - 1150 MHz
	G4500	2 / 2	3.5 GHz	-	3 MB	51W	HD 530	350 - 1150 MHz
	G4500T	2 / 2	3.0 GHz	-	3 MB	35W	HD 530	350 - 1100 MHz
	G4400	2 / 2	3.3 GHz	-	3 MB	51W	HD 530	350 - 1150 MHz
	G4400T	2 / 2	2.9 GHz	-	3 MB	35W	HD 530	350 - 1100 MHz
Celeron	G3920	2 / 2	2.9 GHz	-	2 MB	51W	HD 530	350 - 1050 MHz
	G3900	2 / 2	2.8 GHz	-	2 MB	51W	HD 530	350 - 1050 MHz
	G3900T	2 / 2	2.6 GHz	-	2 MB	35W	HD 530	350 - 950 MHz

K = unlocked, T = power optimized, HT = hyper threading. The SH170R6 does not support the unlock function of Intel K-series processors.

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7th Generation Intel Core Desktop Processors (LGA 1151 14 nm Kaby Lake-S)

Name	Model	Cores/Threads	CPU Clock	Turbo Clock	Cache	TDP	Graphics	Graphics Clock
Core i7	7700K	4 / 8	4.2 GHz	4.5 GHz	8 MB	91W	HD 630	350 - 1150 MHz
	7700	4 / 8	3.6 GHz	4.2 GHz	8 MB	65W	HD 630	350 - 1150 MHz
	7700T	4 / 8	2.9 GHz	3.8 GHz	8 MB	35W	HD 630	350 - 1150 MHz
Core i5	7600K	4 / 4	3.8 GHz	4.2 GHz	6 MB	91W	HD 630	350 - 1150 MHz
	7600	4 / 4	3.5 GHz	4.1 GHz	6 MB	65W	HD 630	350 - 1150 MHz
	7600T	4 / 4	2.8 GHz	3.7 GHz	6 MB	35W	HD 630	350 - 1100 MHz
	7500	4 / 4	3.4 GHz	3.8 GHz	6 MB	65W	HD 630	350 - 1100 MHz
	7500T	4 / 4	2.7 GHz	3.3 GHz	6 MB	35W	HD 630	350 - 1100 MHz
	7400	4 / 4	3.0 GHz	3.5 GHz	6 MB	65W	HD 630	350 - 1000 MHz
	7400T	4 / 4	2.4 GHz	3.0 GHz	6 MB	35W	HD 630	350 - 1000 MHz
	7350K	2 / 4	4.2 GHz	-	4 MB	60W	HD 630	350 - 1050 MHz
Core i3	7320	2 / 4	4.1 GHz	-	4 MB	51W	HD 630	350 - 1050 MHz
	7300	2 / 4	4.0 GHz	-	4 MB	51W	HD 630	350 - 1050 MHz
	7300T	2 / 4	3.5 GHz	-	4 MB	35W	HD 630	350 - 1100 MHz
	7101E	2 / 4	3.9 GHz	-	3 MB	54W	HD 610	350 - 1100 MHz
	7101TE	2 / 4	3.4 GHz	-	3 MB	35W	HD 610	350 - 1100 MHz
	7100	2 / 4	3.9 GHz	-	3 MB	51W	HD 630	350 - 1100 MHz
	7100T	2 / 4	3.4 GHz	-	3 MB	35W	HD 630	350 - 1100 MHz
	G4620	2 / 4	3.7 GHz	-	3 MB	51W	HD 630	350 - 1100 MHz
Pentium	G4600	2 / 4	3.6 GHz	-	3 MB	51W	HD 630	350 - 1100 MHz
	G4600T	2 / 4	3.0 GHz	-	3 MB	35W	HD 630	350 - 1050 MHz
	G4560	2 / 4	3.5 GHz	-	3 MB	54W	HD 610	350 - 1050 MHz
	G4560T	2 / 4	2.9 GHz	-	3 MB	35W	HD 610	350 - 1050 MHz
Celeron	G3950	2 / 2	3.0 GHz	-	2 MB	51W	HD 610	350 - 1050 MHz
	G3930	2 / 2	2.9 GHz	-	2 MB	51W	HD 610	350 - 1050 MHz
	G3930T	2 / 2	2.7 GHz	-	2 MB	35W	HD 610	350 - 1000 MHz

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

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