Custom Build

☐ Same Day Pickup Available at Aisle 19

Build Total:

Built for the next generation of gaming

Start your build with a 12th gen processor

Estimated Wattage: 617/850

[Core i9] [Core i7] [Core i5]

CORE COMPONENTS

CPU			
	Intel - Core i7-11700K Rocket Lake 3.6GHz Eight-Core LGA 1200 Boxed Processor - Heatsink Not Included Located In Aisle 40	SKU: 236398 18 IN STOCK	$219.99
Motherboard			
	MSI - Z590 MAG TOMAHAWK WIFI Intel LGA 1200 ATX Motherboard Located In Aisle 40	SKU: 243352 4 IN STOCK	$199.99
RAM			
	G.Skill - Aegis Series 8GB (1 x 8GB) DDR4-3000 PC4-24000 CL16 Single Channel Desktop Memory Module F4-3000C16S-8GISB - Black/Red Located In Aisle 36	SKU: 920546 6 IN STOCK	$29.99
	G.Skill - Ripjaws V 16GB (2 x 8GB) DDR4-3600 PC4-28800 CL18 Dual Channel Desktop Memory Kit F4-3600C18D-16GVK - Black Located In Aisle 36	SKU: 984971 6 IN STOCK	$60.99
Case			
	Thermaltake - View 71 RGB eATX Full-Tower Computer Case - Black Located In Aisle 40	SKU: 385138 4 IN STOCK	$189.99
Power Supply			
	Corsair - RMx Series RM850x 850 Watt 80 Plus Gold ATX Fully Modular Power Supply Located In Aisle 35	SKU: 225219 25+ IN STOCK	$159.99

Video Card

ASUS - NVIDIA GeForce RTX 3060
Dual V2 Overclocked Dual-Fan 12GB
GDDR6 PCIe 4.0 Graphics Card
Located In Aisle 34

SKU: 295071
6 IN STOCK

$409.99

2.5" SSD

M.2 / NVMe SSD

Hard Drive

Crucial - P5 Plus 1TB SSD 3D NAND
M.2 NVMe PCIe 4.0 x4 Interface
Internal Solid State Drive
Located In Aisle 34

SKU: 302752
SOLD OUT

$139.99

Optical Drive

ASUS - 24x Internal DVD±RW SATA
Writer
Located In Aisle 33

SKU: 407361
10 IN STOCK

$24.99

Video Capture

CPU COOLING

Heatsink

Noctua - NH-D15S CPU Cooler
Located In Aisle 39

SKU: 301648
SOLD OUT

$109.99

Thermal Compound

Arctic Silver - 5 High-Density
Polysynthetic Silver Thermal
Compound 3.5g
Located In Aisle 39

SKU: 984039
20 IN STOCK

$9.99

Water Cooling Kits

Water Cooling Accessories

SOFTWARE

Operating System

Antivirus Software

Office Suites

PERIPHERALS

Keyboard

Redragon - K552 60% RGB Gaming
Mechanical Keyboard - Black
Located In Aisle 27

SKU: 316117
13 IN STOCK

$40.99

Mouse

Mouse Pads

Speakers

Headsets

Monitors

Wireless Routers

Printers

ACCESSORIES

Case Fans

Noctua - NF-P12 Redux 1700 PWM
SSO Bearing 120mm Case Fan
Located In Aisle 39

SKU: 062398
16 IN STOCK

$19.99

Case Lighting

Cables and Adapters

Surge and UPS

USB Flash Drives

Ready to build your own PC?

You've come to the right place! Use our Intel Custom PC Builder to research and pick PC parts from the thousands of components we have in stock. You can use this to create a gaming PC build with streaming capabilities, or a machine that's specific to your business.

Next Steps

Once you've configured your PC, you can: Save your parts list in the Build Dashboard for later, Share your parts list in our Community Forum, reddit or other forums to get feedback, print it as a shopping list or view a store map to visit one of our stores, add to cart to reserve your choices for in-store pickup.

Enthusiast PC Builders

For the enthusiast PC builders, you can create and save multiple parts lists in your Build Dashboard. Then once you've built your custom PC, don't forget to submit it to the Build Showcase to show it off and help inspire others with your selection and creativity.

Intel PC Builder FAQs

Do I need an aftermarket fan?

While all non-K Intel desktop boxed processors come bundled with a fan, usually you will need to purchase an aftermarket cooler.

What type of chip sockets does Intel use for their processors?

Intel has a number of socket types currently available at Micro Center: LGA 1151, LGA 1200. LGA 1700, and LGA 2066. The Micro Center PC Builder will automatically remove motherboards that are not compatible with your chipset, however, making compatibility checks easy. Intel's official compatibility tool is available here.

What do cores/threads mean for Intel processors?

Cores are the actual processors that are doing the calculations, while threads are the tasks or instructions that can be run simultaneously on those cores. Many AAA PC games run through a single Core which Intel optimizes for performance.

What do the letters at the end of the processor mean?

What do the letters at the end of the processor mean? The letters after the model number of an Intel CPU refer to its specific features. For example, "K" processors are overclockable, "T" processors are low-power, "F" processors require a discreet graphic card and "S" processors are high-performance. Multiple suffixes can be combined such as "KF" for unlocked and discrete graphics required. In addition, all processor suffix definitions are available here.

Intel CPUs - Suffix Definitions

Suffix	Meaning
F	Requires discrete graphics
K	Unlocked and overclockable
S	Special Edition, high performance
X / XE	Unlocked, ultra-high end

How do Intel CPUs overclock?

Intel CPUs can overclock by increasing the frequency of the CPU's internal clock. This can be done either through the BIOS or a software overclocking program such as Intel's official Performance Maximizer software. For more information on overclocking, visit our Community.

What type of RAM is compatible with Intel CPUs?

The type of RAM that is compatible with Intel CPUs will be dependent on the socket type of the motherboard. For example, LGA 1151 processors are compatible with DDR4 RAM, while LGA 1700 processors are compatible with DDR4 and DDR5 RAM.

How do Intel CPUs attach to the motherboard?

Intel CPUs attach to the motherboard through the LGA socket. This socket has a lock on either end that secures the CPU to the motherboard. To release this lock, both ends of the socket have a small lever that can be moved inwards towards the center of the socket so it is parallel with the top of it.

For a full list of Intel processor specific details please visit the Intel Ark site.

To navigate, click on Processors under Select your product, choose Intel Core Processors, select your processor generation and core type such as 11th Gen Intel Core i5 Processors and then select the specific processor for detailed information.