

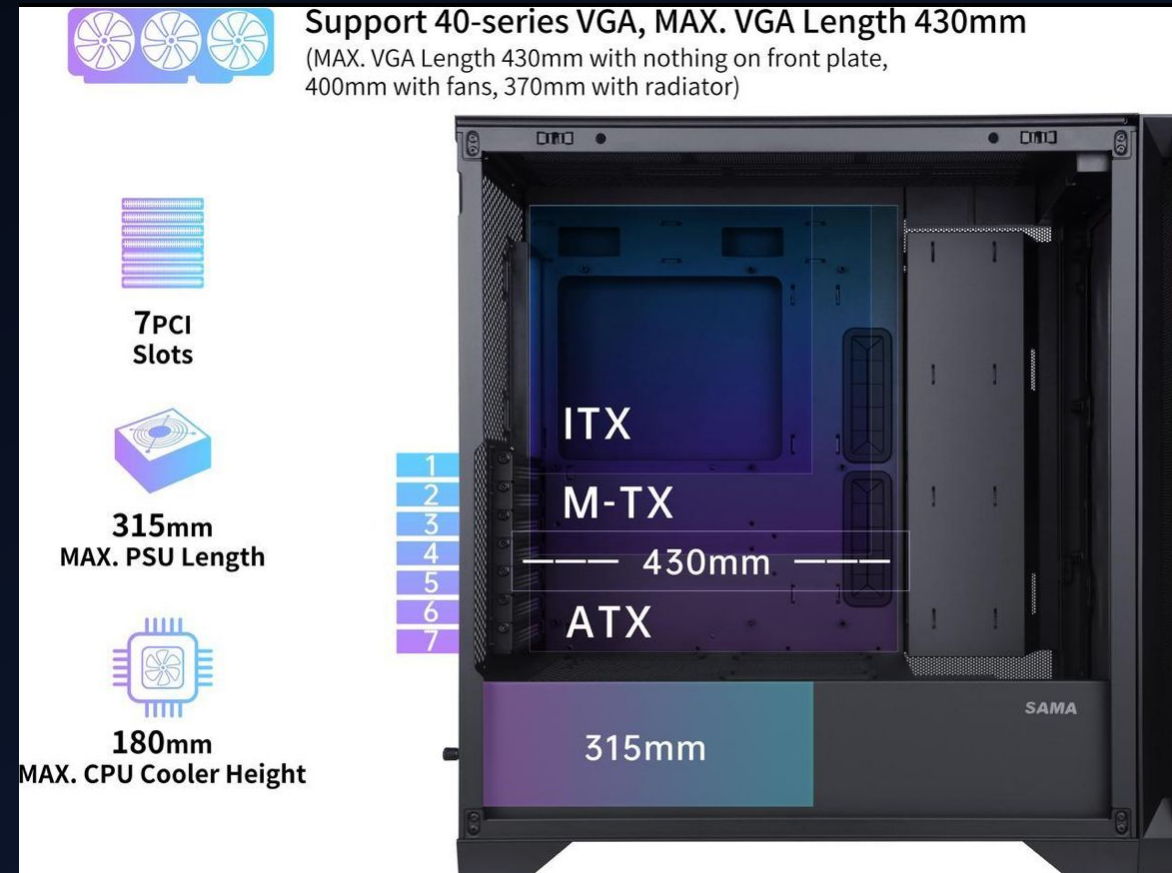
The image features a dark blue background with abstract teal line art in the corners. In the top-left corner, several parallel lines form a corner-like shape. In the bottom-left corner, lines form a stepped, architectural-like shape. In the bottom-right corner, three parallel lines extend diagonally upwards towards the right edge.

Search Space

BY DAVE STAFFORD

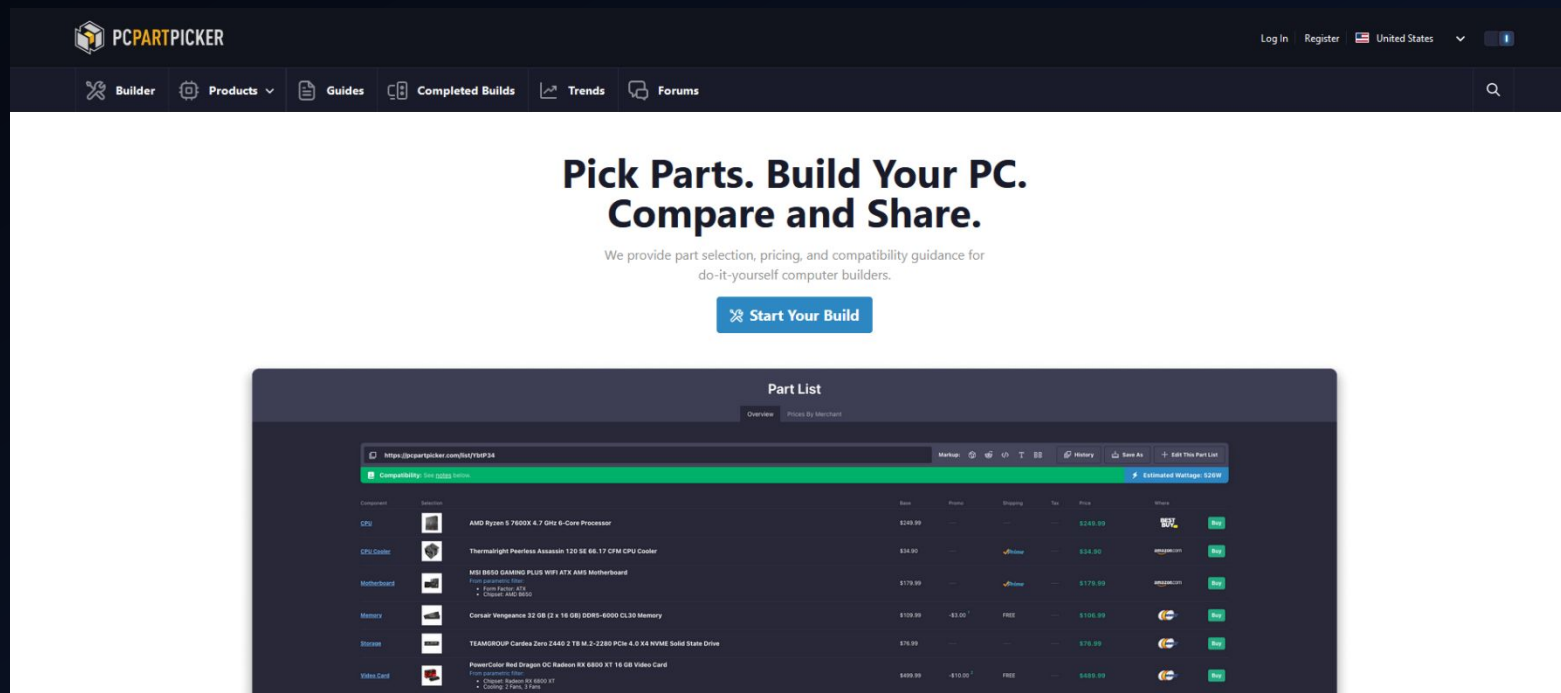
PC Component List

- Central Processing Unit (CPU)
- Graphics Processing Unit
- Motherboard
- Random Access Memory (RAM)
- Power Supply Unit (PSU)
- Case



SOURCE: PC PART PICKER

- Integrated PC builder w/ compatibility guidance
- Lists DIY PC parts w/ price listings
- Used for generating PC part database



Central Processing Unit (CPU)

PROPERTIES

- Brands: Intel, AMD
- Models:
 - Intel: 12th to 14th gen
 - AMD: 5000 & 7000 series
 - ~ 60 total models
- Gaming & App performance
- Thermal Design Power (TDP)

COMPATIBILITY CHECKS

- Motherboard
 - Compatible CPU socket
- Power Supply
 - Wattage Support (when combined w/ GPU)



CPU

Graphics Processing Unit (GPU)



PROPERTIES

- Brands: Intel, AMD, NVIDIA
- Chipsets:
 - Intel: Arc Series
 - AMD: Radeon 6000 & 7000 series
 - NVIDIA: RTX 30 & 40 series
- ~ 190 total variations
- Gaming performance
- Recommended PSU Wattage

COMPATIBILITY CHECKS

- Case
 - GPU Length Support
- Power Supply
 - Wattage Support (when combined w/ GPU)

Motherboard



Motherboard

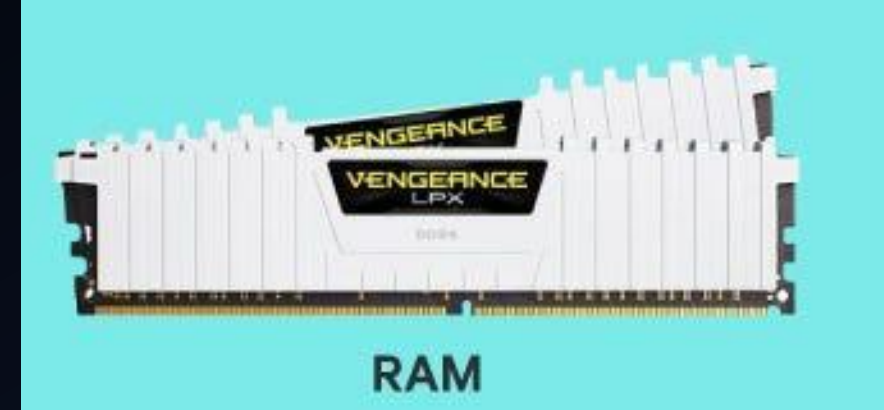
PROPERTIES

- Socket Support:
 - AMD: AM4 & AM5
 - Intel: LGA1700
- Form Factors:
 - ATX, Micro ATX, Mini ITX
- Price Limit: \$180
- ~ 200 total variations

COMPATIBILITY CHECKS

- Case
 - Form factor support
- RAM Support
 - DDR4 or DDR5
- CPU
 - Chipset/Socket

RAM



PROPERTIES

- Module Type
 - DDR4 or DDR5
 - 16GB or 32GB
- CAS Latency
 - DDR4: CL16, CL18
 - DDR5: CL30, CL36, CL40
- Price Limit: \$150
- ~ 200 total variations

COMPATIBILITY CHECKS

- Motherboard
 - DDR4 or DDR5 support
- CPU Socket
 - AM4 = DDR4
 - AM5 = DDR5
 - LGA1700 = DDR4 or DDR5
 - Depending on Motherboard

Power Supply

PROPERTIES

- Wattage Range: 500 – 1200
- 80+ Efficiency Rating:
 - Bronze or Gold only
- Semi-Modular or Full Modular
- Form Factors:
 - ATX, SFX
- Price Limit: \$150
- ~ 100 total variations

COMPATIBILITY CHECKS

- Case
 - Form factor support
- CPU + GPU
 - Total Watt support



Power supply unit

Case

PROPERTIES

- Tower Type
 - ATX, Micro ATX, ITX
- Price Limit: \$120
- Additional Limits
 - No included PSU
 - Side panel window
 - Case brands
- ~ 190 total variations

COMPATIBILITY CHECKS

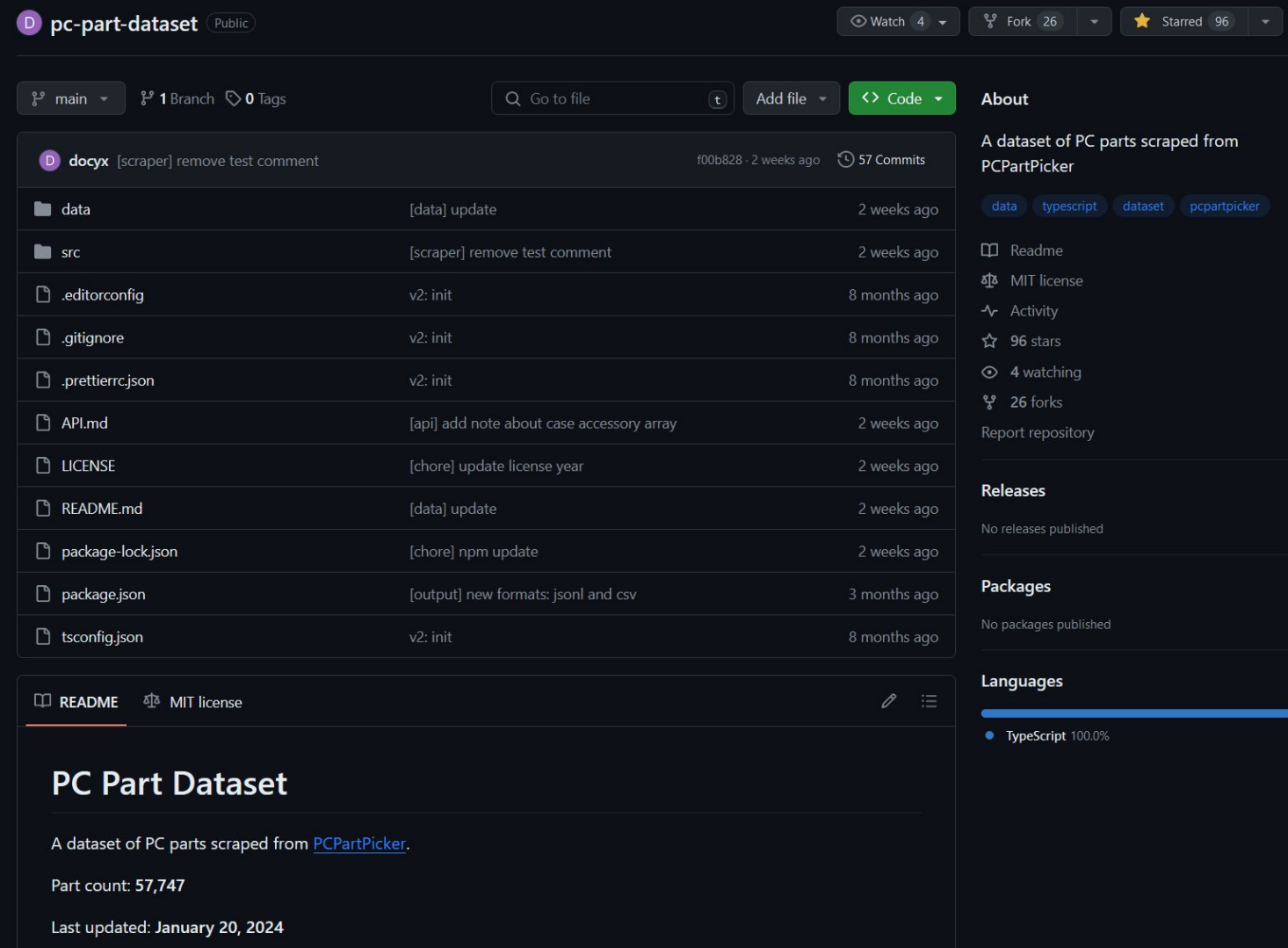
- Motherboard
 - Form factor support
- GPU length support
- Power Supply
 - i.e. SFX PSUs for ITX cases



Case

SOURCE: GITHUB

- Unofficial API for PC Part Picker
- Used to data scrape site for part info



The screenshot displays the GitHub interface for the 'pc-part-dataset' repository. At the top, the repository name 'pc-part-dataset' is shown with a 'Public' badge. Navigation links for 'Watch' (4), 'Fork' (26), and 'Starred' (96) are visible. Below the repository name, there are buttons for 'main' branch, '1 Branch', and '0 Tags'. A search bar labeled 'Go to file' and buttons for 'Add file' and 'Code' are also present.

The main content area shows a list of files and folders. The most recent commit by 'docyx' is highlighted, showing the removal of a test comment. The file list includes:

File/Folder	Commit Message	Time Ago
data	[data] update	2 weeks ago
src	[scraper] remove test comment	2 weeks ago
.editorconfig	v2: init	8 months ago
.gitignore	v2: init	8 months ago
.prettierrc.json	v2: init	8 months ago
API.md	[api] add note about case accessory array	2 weeks ago
LICENSE	[chore] update license year	2 weeks ago
README.md	[data] update	2 weeks ago
package-lock.json	[chore] npm update	2 weeks ago
package.json	[output] new formats: jsonl and csv	3 months ago
tsconfig.json	v2: init	8 months ago

Below the file list, the 'README' tab is selected, showing the repository's description: 'A dataset of PC parts scraped from PCPartPicker.' It also includes the part count (57,747) and the last update date (January 20, 2024).

The right sidebar contains sections for 'About' (describing the dataset), 'Releases' (no releases published), 'Packages' (no packages published), and 'Languages' (TypeScript 100.0%).