

# AMD RYZEN ATHLON



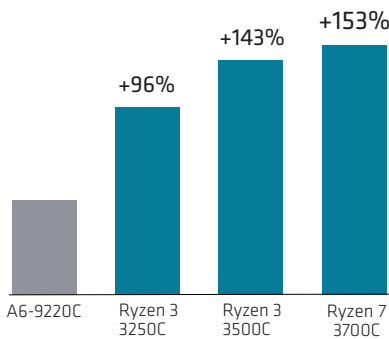
## HIGH PERFORMANCE CHROMEBOOKS FOR EDUCATION POWERED BY AMD RYZEN™ PROCESSORS AND ATHLON™ PROCESSORS

Rethink your idea of performance in a Chromebook for Education. The latest generation of high-performance AMD Ryzen™ Mobile Processors and Athlon™ Mobile Processors make everything faster<sup>1</sup>, whether online, offline, in the classroom, or on the go. From managing a curriculum in Google Classroom to video conferencing and streaming, Ryzen™ processors and Athlon™ processors deliver the premium performance for Higher Ed Students, Teachers and Administrators – or students at any level that value performance.

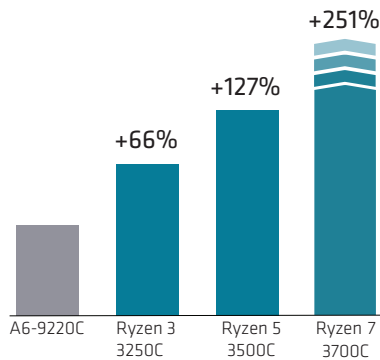
### Performance for Any Task

Built for the advanced workloads of higher ed students and teachers – AMD Ryzen™ 3000 C-Series processors with up to 4 cores and 8 threads deliver a responsive multi-tasking experience and feature AMD Radeon™ graphics for premium content creation and photo editing for next-level academic reports.<sup>1,2,3</sup>

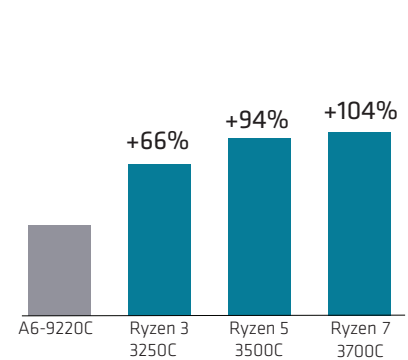
Speedometer 2.0  
Up to



Graphic Performance  
3Dmark Slingshot (Up to)



Productivity Performance  
PCMark Writing (Up to)



### Learn from Anywhere

Chromebooks powered by AMD Ryzen™ Mobile Processors are power efficient and can deliver up to 10 hours of battery life.<sup>4</sup> Connect from anywhere with Wi-Fi 6, and LTE compatibility.<sup>5</sup>



### Ready for Modern Education Tools

AMD works closely with Google to provide a seamless experience using Chrome OS and G Suite for Education.

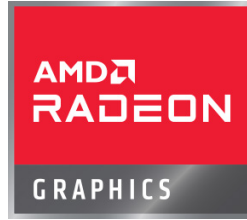
Get Advanced Security Features and Analytics with G Suite Enterprise for Education. Upgrade your digital environment with advanced security controls and enhanced collaboration tools to elevate teaching and learning.

## AMD Ryzen™ Processors Enables A Great Chromebook Experience



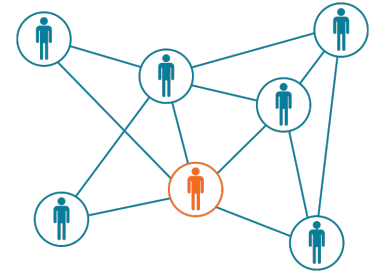
### “Zen” CPU Core

First Ryzen™ processor in a Chromebook



### AMD Radeon™ Graphics

The most powerful graphics available in a Chromebook<sup>6</sup>



### Wireless Connectivity

Wi-Fi 6, LTE and Bluetooth 5 compatibility<sup>5</sup>

## Ryzen™ 3000 C-Series and Athlon™ 3000 C-Series Specifications

Model	Cores / Threads	Frequency <sup>7</sup>	Cache	Graphics	TDP
AMD Ryzen™ 7 3700C	4C / 8T	Up to 4.0 / 2.3 GHz	6MB	Radeon™ Graphics (10 Cores)	15W
AMD Ryzen™ 5 3500C	4C / 8T	Up to 3.7 / 2.1 GHz	6MB	Radeon™ Graphics (8 Cores)	15W
AMD Ryzen™ 3 3250C	2C / 4T	Up to 3.5 / 2.6 GHz	5MB	Radeon™ Graphics (3 Cores)	15W
AMD Athlon™ Gold 3150C	2C / 4T	Up to 3.3 / 2.4 GHz	5MB	Radeon™ Graphics (3 Cores)	15W
AMD Athlon™ Silver 3050C	2C / 2T	Up to 3.2 / 2.3 GHz	5MB	Radeon™ Graphics (2 Cores)	15W

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1. Testing by AMD Performance Labs as of 09/01/2020 with a Ryzen 7 3700C CPU vs. an Acer Chromebook reference system configured with a Ryzen 5 3500C processor, a Ryzen 3 3250C processor, and an Acer Chromebook Zada configured with an AMD A6-9220C processor using the 3DMark Sling Shot Extreme Open GL benchmark. Chromebook manufacturers may vary configurations yielding different results. Performance may vary. RC-09

2. Testing by AMD Performance Labs as of 09/01/2020 with a Ryzen 7 3700C CPU vs. an Acer Chromebook reference system configured with a Ryzen 5 3500C processor, a Ryzen 3 3250C processor, and an Acer Chromebook Zada configured with an AMD A6-9220C processor using the 3DMark Sling Shot Extreme Open GL benchmark. Chromebook manufacturers may vary configurations yielding different results. Performance may vary. 3DMark is a Trademark of Futuremark Corporation. RC-07

3. Testing by AMD Performance Labs as of 09/01/2020 with Ryzen 7 3700C CPU vs. an Acer Chromebook reference system configured with a Ryzen 5 3500C processor, a Ryzen 3 3250C processor, and an Acer Chromebook Zada configured with an AMD A6-9220C processor utilizing the following benchmark: PCMark Writing 2.0 Score. Chromebook manufacturers may vary configurations yielding different results. Performance may vary. PCMark is a trademark of Futuremark Corporation. RC-11

4. All battery life claims are approximate. Actual battery life will vary based on several factors, including, but not limited to: product configuration and usage, software, operating conditions, wireless functionality, power management settings, screen brightness and other factors. The maximum capacity of the battery will naturally decrease with time and use. AMD has not independently tested or verified the battery life claim. . GD-168

5. Wi-Fi 6, Bluetooth 5.0 and LTE availability varies by laptop manufacturer and are system configuration dependent. Check with your laptop manufacturer for compatibility information. GD-149.

6. Testing by AMD Performance Labs as of 09/01/2020 utilizing a Lenovo ThinkPad C13 Yoga configured with a Ryzen 7 3700C processor vs. An Acer Chromebook Spin 13 with an Intel Core i7-8550U, an Acer Chromebook Spin 713 with an Intel Core i5-10210U, and a Lenovo Chromebook with a Core i3-10110U in the following benchmark: 3DMark Sling Shot Score. Chromebook manufacturers may vary configurations yielding different results. Performance may vary. 3DMark is a trademark of Futuremark Corporation. RC-14

7. Max boost for AMD Ryzen processors is the maximum frequency achievable by a single core on the processor running a bursty single-threaded workload. Max boost will vary based on several factors, including, but not limited to: thermal paste; system cooling; motherboard design and BIOS; the latest AMD chipset driver; and the latest OS updates. GD-150

\*“Zen” is a codename only and not an AMD product name.