



WHERE PERFORMANCE MEETS VALUE

INTEL® PENTIUM® GOLD AND CELERON® PROCESSORS

**Reliable
performance
and affordable
priced PCs for
value-oriented
buyers**

Impressive performance for work and play. The new Pentium® Gold processor provides great value and the performance to do daily activities plus the next level of power to do beginning photo and video editing, and seamlessly multi-task. Enjoy quick processing and vivid graphics from a new computer with an Intel® Pentium® Gold processor. The processors are ideal for everyday computing like basic productivity, browsing visually stunning webpages, and editing photos.

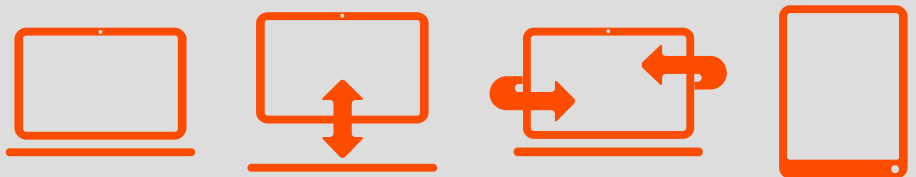
Whether it's a notebook, convertible, Chromebook*, All-in-One, mini PC or desktop PC, Intel® Pentium® Gold and Intel® Celeron® processor-based PCs offer reliable performance at an affordable price for value-oriented buyers.



**MOBILE
PROCESSORS
DELIVER GREAT
EXPERIENCES**

THE NEW INTEL® PENTIUM® GOLD AND CELERON® MOBILE PROCESSORS

Now you can enjoy the experiences you've wanted from your entry devices notebook, convertible and other innovative form factor PCs with the security and connectivity options you need for a protected lifestyle—whether you're a Chromebook*, Windows*, or Linux* user. Intel® Pentium® Gold and Celeron® processors support up to three external monitors and deliver more processor and graphics performance and great battery life in your choice of platform and OS, all at a price point for casual users who still want rich experiences.



CHOOSE FROM A WIDE RANGE OF MOBILE FORM FACTORS

ENJOY MORE COMPUTING AND GREATER GRAPHICS LONGER

The latest Pentium® Gold and Celeron® processors give your platform the computing and visual power you've wanted. Chromebook* users can also expect better performance on devices to enjoy more apps and rich online experiences. Whether you're a Windows or Chromebook* user, you can now multitask—i.e., watch movies/games and Skype* at the same time and still have power for your other activities.

Intel® Processor Graphics Gen9 makes casual game play snappy, enables smooth video streaming for all your online entertainment, and gives you enhanced video chatting for more personal online interactions with friends and family.

Besides a new level of performance, more power efficiency and energy-saving standby give you great battery life. Binge watch your movies, chat, and be productive.

**GREATER
GRAPHICS
WITH LONGER
ACTIVE USE**

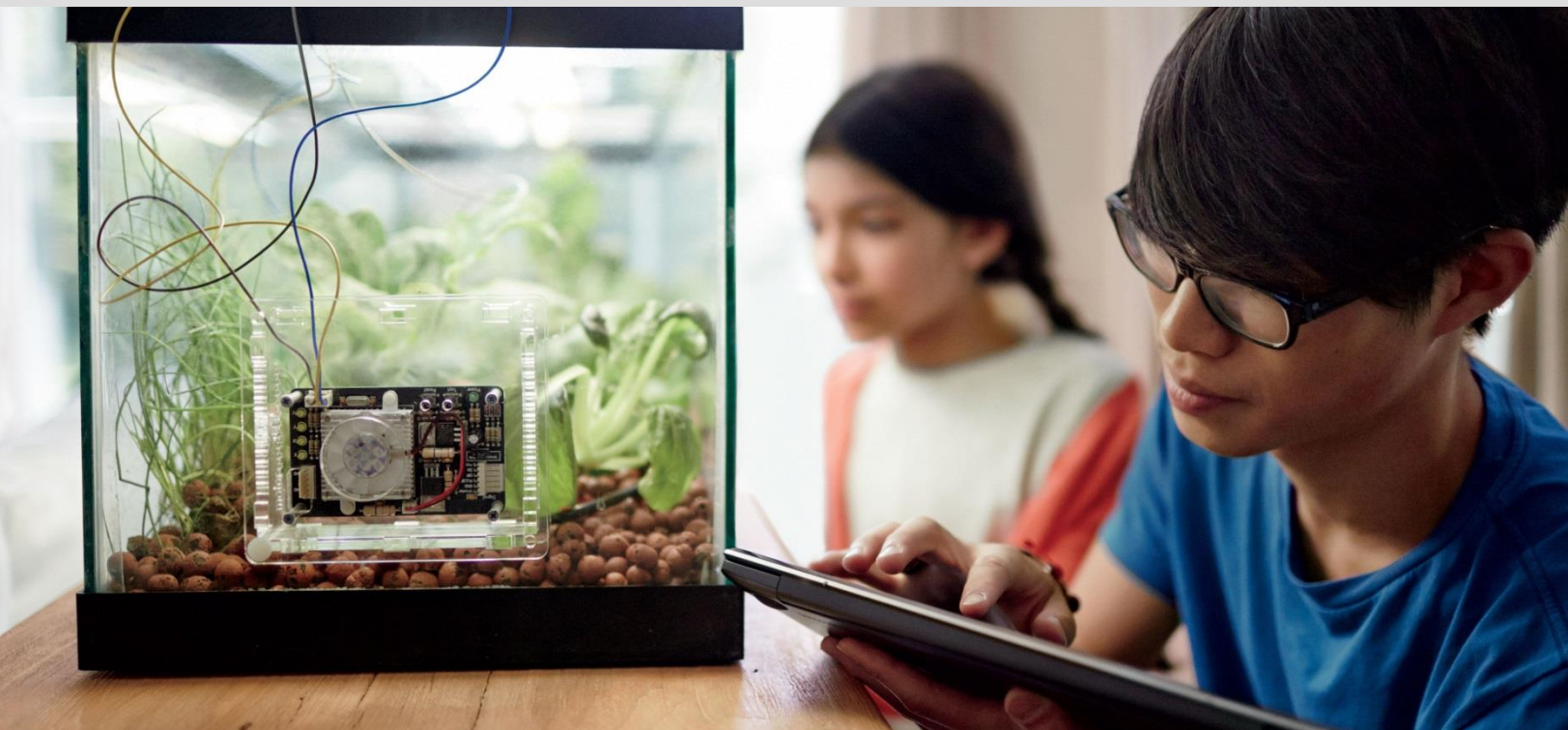


CHOOSE YOUR DEVICE FOR GREAT EXPERIENCES

Intel® Pentium® Gold and Celeron® processors power more devices, from notebooks to convertibles to other form factor PCs, giving you the flexibility to choose the best device for your needs, and the peace of mind that it will give you the performance, experiences, and security you want.

Enjoy Great Experiences with Chromebooks* Built on Intel® Pentium® Gold and Celeron® Processors

DEVICES ADAPT TO YOUR USES	<ul style="list-style-type: none">▪ Wake on Voice▪ Easily orient the screen for reading or playing games while using smaller devices
PLATFORM INNOVATION	<ul style="list-style-type: none">▪ New form factors, including clamshells and 2 in 1s, for whatever your lifestyle and needs▪ Quiet, fanless, and touch-friendly/stylus-friendly designs▪ Lighter-weight materials and devices help simplify your mobile life
ENHANCED MEDIA AND GRAPHICS EXPERIENCES	<ul style="list-style-type: none">▪ Smooth, low-latency video streaming (Full HD)▪ Support for codecs, such as VP8 and VP9
CONNECT WHEREVER YOU CAN	<ul style="list-style-type: none">▪ Flexible choices for connecting to the Internet and other devices▪ USB Type C and Bluetooth connectivity



EXPECT MORE, DO MORE WITH YOUR DEVICE	<ul style="list-style-type: none">▪ Enjoy great battery life to binge watch your favorite shows or movies▪ Contributes to lighter weight designs to enhance your mobile life
NEW PLATFORM DESIGN FEATURES	<ul style="list-style-type: none">▪ New form factors for consumers and education▪ Quiet, fanless designs
PREPARE TO BE VISUALLY WOWED	<ul style="list-style-type: none">▪ Productivity enhancer—easy multitasking over multiple monitors▪ Stream HD video to large-screen TVs
MORE WAYS TO ENJOY YOUR PC	<ul style="list-style-type: none">▪ Amazing cloud-based usages for work and play▪ Beautiful views with wireless display of videos, photos, and desktop to HDTVs▪ High-quality audio lets you enjoy rich sound▪ Supports Cortana* to simplify and personalize your interactions
CONNECT IN MORE WAYS IN MORE PLACES	<ul style="list-style-type: none">▪ Flexible choices for connecting to the Internet and other devices▪ LTE* and 3G





**SNAPPY
PERFORMANCE
WITH DESKTOP
PROCESSORS**

NEW INTEL® PENTIUM® GOLD AND CELERON® DESKTOP PROCESSORS

PRODUCT OVERVIEW

The new Intel® Pentium® Gold processor provides great value and the performance to do daily activities plus the next level of power to do beginning photo and video editing, seamlessly multi-task, and even run 4K media. Enjoy quick processing and vivid graphics from a new computer with an Intel® Pentium® Gold processor.

The new Intel Pentium® Gold and Celeron® processor-based PC offers solid performance to run applications such as web browsing, HD video streaming and productivity software simultaneously and efficiently.

PCs based on the new Intel Pentium® Gold and Celeron® processors are well suited to the home and office. With improved performance and power efficiency, PCs based on the new Intel Pentium® and Celeron® processors are an excellent choice for small businesses and education.

PRODUCT PERFORMANCE

The new Intel Pentium® Gold and Celeron® processors offer great performance that end users can experience and appreciate. With the power and features of the Intel® 300 Series chipset, this platform provides high bandwidth I/O interfaces with great flexibility, including support for the latest DDR4 memory technology and premium 4K content. Intel® Hyper-Threading Technology (Intel® HT Technology) is now available on the new Intel® Pentium® Gold processors. Thanks to Intel HT Technology, your PCs can improve productivity by doing more simultaneously without slowing down. Intel® HD Graphics makes casual game play snappy, enables smooth video streaming for all your online entertainment, and gives you enhanced video chatting for more personal online interactions with friends and family.



**CHOOSE FROM A WIDE RANGE
OF DESKTOP FORM FACTORS**

INTEL® PENTIUM® GOLD® AND CELERON® PROCESSORS FEATURES AT A GLANCE

FEATURE	INTEL® PENTIUM® GOLD® PROCESSOR	INTEL® CELERON® PROCESSOR
Processor Frequency	Up to 3.9 GHz	Up to 3.2 GHz
Number of Processors Core/ Thread	2/4	2/2
Cache Size (MB)	4	2
Intel® Hyper-Threading Technology	Yes	No
Number of Memory Channels	2	2
Memory Type	DDR4 2400	DDR4 2400
Graphics Dynamic Frequency (MHz)	Up to 1100	Up to 1050
Intel® UHD Graphics	Intel® UHD Graphics 630/610	Intel® UHD Graphics 610



INTEL® PENTIUM® GOLD® AND CELERON® PROCESSORS FEATURES AT A GLANCE

FEATURES AND BENEFITS OF THE NEW INTEL® PENTIUM® GOLD AND CELERON® DESKTOP PROCESSORS

FEATURE	BENEFITS
Intel® Hyper-Threading Technology	Intel® Hyper-Threading Technology (Intel® HT Technology) uses processor resources more efficiently, enabling multiple threads to run on each core. As a performance feature, it also increases processor throughput, improving overall performance on threaded software.
Intel® UHD Graphics	Play UHD videos with exceptional clarity, view and edit even the smallest details of photos, and play today's modern games.
Intel® Quick Sync Video	Delivers excellent video conferencing capability, fast video conversion, online sharing, and fast video editing and authoring.
Intel® Clear Video HD	Visual quality and color fidelity enhancements for HD playback and immersive web browsing.
Integrated Memory Controller	Now supporting DDR4 offers stunning memory read/write performance through efficient prefetching algorithms, low latency, and high memory bandwidth.
Intel® Smart Cache	The shared cache is dynamically allocated to each processor core, based on workload. Significantly reduces latency and improves performance.
Intel® Virtualization Technology	Allows one hardware platform to function as multiple "virtual" platforms. Offers improved manageability by limiting downtime and maintaining productivity by isolating computing activities into separate partitions
PCI Express* 3.0 Interface	Offers up to 8 GT/s for fast access to peripheral devices and networking with up to 16 lanes. PCI Express ports can be configured as x1, x2, x4, x8 and x16 depending on motherboard designs.

For more information on the new Intel® Pentium® Gold and Celeron® processors, visit www.intel.com/products/desktop/processors

Intel technologies features and benefits depend on system configuration and may require enabled hardware, software or service activation. Performance varies depending on system configuration. Check with your system manufacturer or retailer or learn more at www.intel.com/pentium and www.intel.com/celeron

Software and workloads used in performance tests may have been optimized for performance only on Intel® microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more complete information visit www.intel.com/benchmarks.

The benchmark results reported above may need to be revised as additional testing is conducted. The results depend on the specific platform configurations and workloads utilized in the testing, and may not be applicable to any particular user's components, computer system or workloads. The results are not necessarily representative of other benchmarks and other benchmark results may show greater or lesser impact from mitigation.

Pentium Gold, Celeron, Intel, the Intel logo, Intel Inside, the Intel Inside logo, Intel Core, Intel. Experience What's Inside, the Intel. Experience What's Inside logo and Pentium are trademarks of Intel Corporation in the U.S. and/or other countries.

* Other names and brands may be claimed as the property of others.

Copyright © 2018 Intel Corporation.

