

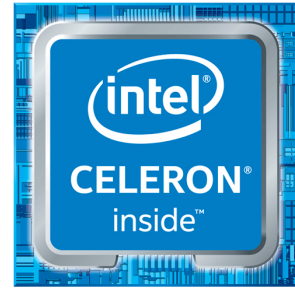
Intel Celeron G4900 processor 3.1 GHz 2 MB Smart Cache Box

Brand : Intel

Product family: Celeron

Product code: BX80684G4900

Product name : G4900



Intel® Celeron® G4900 Processor (2M Cache, 3.10 GHz)
 Intel Celeron G4900. Processor family: Intel® Celeron® G, Processor socket: LGA 1151 (Socket H4), Processor lithography: 14 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 64 GB, Memory types supported by processor: DDR4-SDRAM. On-board graphics card model: Intel® UHD Graphics 610, Maximum on-board graphics card memory: 64 GB, On-board graphics card base frequency: 350 MHz. Market segment: Desktop, PCI Express configurations: 1x16, 2x8, 1x8+2x4, Supported instruction sets: SSE4.1, SSE4.2. Package width: 70 mm, Package depth: 116 mm, Package height: 101 mm

Processor		Features	
Processor manufacturer *	Intel	Commodity Classification Automated Tracking System (CCATS)	G077159
Processor model *	G4900	Processor special features	
Processor base frequency *	3.1 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor family *	Intel® Celeron® G	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cores *	2	Intel® Turbo Boost Technology	✗
Processor socket *	LGA 1151 (Socket H4)	Intel® Quick Sync Video Technology	✓
Component for	PC	Intel® InTru™ 3D Technology	✓
Processor lithography *	14 nm	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor series	Intel Celeron processor G4000 Series for Desktop	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor threads	2	Enhanced Intel SpeedStep Technology	✓
System bus rate	8 GT/s	Intel Trusted Execution Technology	✗
Processor operating modes *	64-bit	Intel® Memory Protection Extensions (Intel® MPX)	✓
Processor cache	2 MB	Intel® Transactional Synchronization Extensions	✗
Processor cache type	Smart Cache	Intel Enhanced Halt State	✓
Thermal Design Power (TDP)	54 W	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Box *	✓	Intel VT-x with Extended Page Tables (EPT)	✓
Cooler included *	✓	Intel® Secure Key	✓
Compatible chipsets	Intel® B360, Intel® H310, Intel® H370, Intel Q370, Intel® Z370	Intel TSX-NI	✗
Stepping	B0	Intel Stable Image Platform Program (SIPP)	✗
Bus type	DMI3	Intel® OS Guard	✓
Memory bandwidth supported by processor (max)	37.5 GB/s	Intel Clear Video Technology	✓
Processor codename	Coffee Lake	Intel Software Guard Extensions (Intel SGX)	✓
Processor code	SR3W4	Intel 64	✓
Processor ARK ID	129487	Intel Secure Key Technology version	1.00
Memory		Intel Stable Image Platform Program (SIPP) version	0.00
Maximum internal memory supported by processor	64 GB	Intel Virtualization Technology (VT-x)	✓
Memory types supported by processor	DDR4-SDRAM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory clock speeds supported by processor	2400 MHz	Intel TSX-NI version	0.00
Memory channels *	Dual-channel	Intel® Optane™ Memory Ready	✓
ECC	✓	Intel® Boot Guard	✓
Graphics			
On-board graphics card *	✓		
Discrete graphics card *	✗		
On-board graphics card model *	Intel® UHD Graphics 610		
Maximum on-board graphics card memory	64 GB		
On-board graphics card base frequency	350 MHz		

Graphics		Processor special features	
On-board graphics card dynamic frequency (max)	1050 MHz	Intel® vPro™ Platform Eligibility	✗
Number of displays supported (on-board graphics)	3	Operational conditions	
On-board graphics card 4K support	✓	Tjunction	100 °C
On-board graphics card DirectX version	12.0	Technical details	
On-board graphics card OpenGL version	4.5	Bus bandwidth	8
On-board graphics card maximum resolution (DisplayPort)	4096 x 2304 pixels	Bus type units	GT/s
On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	4096 x 2304 pixels	Launch date	Q2'18
On-board graphics card maximum resolution (HDMI)	4096 x 2304 pixels	Maximum resolution & refresh rate (DisplayPort)	4096x2304@60Hz
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz	Maximum resolution & refresh rate (HDMI)	4096x2304@24Hz
On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	60 Hz	Maximum resolution & refresh rate (Integrated Flat Panel)	4096x2304@60Hz
On-board graphics card refresh rate at maximum resolution (HDMI)	24 Hz	Processor cache	2048 KB
On-board graphics card ID	0x3E93	Product type	Processor
Discrete graphics card model *	Not available	Status	Launched
Features		Maximum memory	64 GB
Execute Disable Bit	✓	Processor brand name	Intel Celeron
Idle States	✓	Supported memory types	DDR4-SDRAM
Thermal Monitoring Technologies	✓	Last change	63903513
Market segment	Desktop	Product family	Intel Celeron Processor
Maximum number of PCI Express lanes	16	Bus speed	8 GT/s
PCI Express slots version	3.0	Maximum graphics card memory	64 GB
PCI Express configurations	1x16, 2x8, 1x8+2x4	Processor ID	0x3E93
Supported instruction sets	SSE4.1, SSE4.2	Logistics data	
Scalability	1S	Harmonized System (HS) code	85423119
CPU configuration (max)	1	Packaging data	
Embedded options available	✓	Package width	70 mm
Thermal solution specification	PCG 2015C	Package depth	116 mm
PCI Express CEM revision	3.0	Package height	101 mm
Export Control Classification Number (ECCN)	5A992C	Package weight	338 g
		Package type	Retail box
		Weight & dimensions	
		Processor package size	37.5 x 37.5 mm
		Other features	
		Maximum internal memory	64 GB
		Maximum internal memory	65536 MB



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