

Intel Celeron G4900 processor 3,1 GHz 2 MB Smart Cache Box

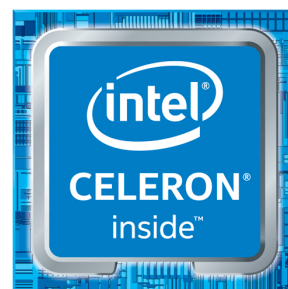
Merk : Intel

Productfamilie: Celeron

Artikelcode: BX80684G4900

Productnaam : G4900

Intel Celeron G4900. Processorfamilie: Intel® Celeron® G, Processor socket: LGA 1151 (Socket H4), Processor lithografie: 14 nm. Geheugen kanaal: Dubbelkanaals, Maximaal intern geheugen ondersteund door processor: 64 GB, Geheugentypen ondersteund door processor: DDR4-SDRAM. On-board graphics adapter model: Intel® UHD Graphics 610, Maximaal geheugen ingebouwde grafische adapter: 64 GB, Basisfrequentie ingebouwde grafische adapter: 350 MHz. Marktsegment: Desktop, PCI Express configuraties: 1x16, 2x8, 1x8+2x4, Ondersteunde instructie sets: SSE4.1, SSE4.2. Breedte verpakking: 70 mm, Diepte verpakking: 116 mm, Hoogte verpakking: 101 mm



Processor		Kenmerken	
Processorfabrikant *	Intel	Commodity Classification	
Processormodel *	G4900	Automated Tracking System (CCATS)	G077159
Basisfrequentie processor *	3,1 GHz	Processor speciale functies	
Processorfamilie *	Intel® Celeron® G	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Aantal processorkernen *	2	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor socket *	LGA 1151 (Socket H4)	Intel® Turbo Boost Technology	✗
Component voor	PC	Intel® Quick Sync Video Technology	✓
Processor lithografie *	14 nm	Intel® InTru™ 3D Technology	✓
Processorserie	Intel Celeron processor G4000 Series for Desktop	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor aantal threads	2	Intel® AES New Instructions (Intel® AES-NI)	✓
Systeembus	8 GT/s	Enhanced Intel SpeedStep Technology	✓
Processor operating modes *	64-bit	Intel® Trusted Execution Technology	✗
Processor cache	2 MB	Intel® Memory Protection Extensions (Intel® MPX)	✓
Processor cache type	Smart Cache	Intel® Transactional Synchronization Extensions	✗
Thermal Design Power (TDP)	54 W	Intel® Enhanced Halt State	✓
Box *	✓	Intel® Clear Video Technology for Mobile Internet Devices (Intel® CVT for MID)	✓
Inclusief koeler *	✓	Intel® VT-x with Extended Page Tables (EPT)	✓
Compatibele chipsets	Intel® B360, Intel® H310, Intel® H370, Intel® Q370, Intel® Z370	Intel® Secure Key	✓
Stepping	B0	Intel® TSX-NI	✗
Bus type	DMI3	Intel® Stable Image Platform Program (SIPP)	✗
Geheugenbandbreedte ondersteund door de processor (max)	37,5 GB/s	Intel® OS Guard	✓
Codenaam processor	Coffee Lake	Intel® Clear Video-technologie	✓
Processorcode	SR3W4	Intel® Software Guard Extensions (Intel® SGX)	✓
ARK ID processor	129487	Intel® 64	✓
Geheugen		Versie Intel® Secure Key Technology	1,00
Maximaal intern geheugen ondersteund door processor	64 GB	Versie Intel® Stable Image Platform Program (SIPP)	0,00
Geheugentypen ondersteund door processor	DDR4-SDRAM	Intel® Virtualization Technology (VT-x)	✓
Klokgeheugen-snelheden ondersteund door processor	2400 MHz	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Geheugen kanaal *	Dubbelkanaals	Versie Intel® TSX-NI	0,00
ECC	✓	Intel® Optane™ Memory Ready	✓
Grafisch			
Ingebouwde grafische adapter *	✓		
Aparte grafische adapter *	✗		
On-board graphics adapter model *	Intel® UHD Graphics 610		
Maximaal geheugen ingebouwde grafische adapter	64 GB		
Basisfrequentie ingebouwde grafische adapter	350 MHz		

Grafisch		Processor speciale functies	
Graphics on-board -adapter dynamische frequentie (max)	1050 MHz	Intel® Boot Guard	✓
Aantal displays ondersteund (door on-board grafische adapter)	3	Intel® vPro™ Platform Eligibility	✗
4K-ondersteuning	✓	Eisen aan de omgeving	
On-board grafische adapter DirectX-versie	12.0	Tjunction	100 °C
On-board grafische adapter OpenGL versie	4.5	Technische details	
Graphics aan boord maximale resolutie adapter (DisplayPort)	4096 x 2304 Pixels	Bandbreedte bus	8
Maximale resolutie (eDP - Integrated Flat Panel)	4096 x 2304 Pixels	Type buseenheden	GT/s
Maximale resolutie ingebouwde grafische adapter (HDMI)	4096 x 2304 Pixels	Lanceringsdatum	Q2'18
Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort)	60 Hz	Maximale resolutie & verversingsfrequentie (DisplayPort)	4096x2304@60Hz
Refresh rate op maximale resolutie (eDP - Integrated Flat Panel)	60 Hz	Maximale resolutie & verversingsfrequentie (HDMI)	4096x2304@24Hz
Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI)	24 Hz	Maximale resolutie & verversingsfrequentie (Integrated Flat Panel)	4096x2304@60Hz
On-board grafische adapter ID	0x3E93	Processorcaché	2048 KB
Discreet grafische adapter model *	Niet beschikbaar	Type product	Processor
Kenmerken		Status	Launched
Execute Disable Bit	✓	Maximaal geheugen	64 GB
Idle States	✓	Merknaam processor	Intel Celeron
Thermal Monitoring Technologies	✓	Ondersteunde geheugen types	DDR4-SDRAM
Marktsegment	Desktop	Laatste wijziging	63903513
Maximaal aantal PCI Express-lijnen	16	Productfamilie	Intel Celeron Processor
PCI Express slots versie	3.0	Bussnelheid	8 GT/s
PCI Express configuraties	1x16, 2x8, 1x8+2x4	Maximaal geheugen grafische adapter	64 GB
Ondersteunde instructie sets	SSE4.1, SSE4.2	Processor-id	0x3E93
Schaalbaarheid	1S	Logistieke gegevens	
CPU configuratie (max)	1	Code geharmoniseerd systeem (HS)	85423119
Ingebouwde opties beschikbaar	✓	Verpakking	
Thermal solution specificatie	PCG 2015C	Breedte verpakking	70 mm
PCI Express CEM revisie	3.0	Diepte verpakking	116 mm
Export Control Classification Number (ECCN)	5A992C	Hoogte verpakking	101 mm
		Gewicht verpakking	338 g
		Type verpakking	Retaildoos
		Gewicht en omvang	
		Verpakkingsgrootte processor	37.5 x 37.5 mm
		Overige specificaties	
		Maximum intern geheugen	64 GB
		Maximaal intern geheugen	65536 MB



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