



HP Intel Celeron G1610T processor 2.3 GHz 2 MB Smart Cache

Brand : HP

Product code: 712737-011

Product name : Intel Celeron G1610T

Intel Celeron G1610T, 2M Cache, 2.3 GHz, 5 GT/s DMI

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HP Intel Celeron G1610T. Processor family: Intel® Celeron® G, Processor socket: LGA 1155 (Socket H2), Processor lithography: 22 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 32 GB, Memory types supported by processor: DDR3-SDRAM. On-board graphics card model: Intel® HD Graphics, On-board graphics card base frequency: 650 MHz, On-board graphics card dynamic frequency (max): 1050 MHz. Market segment: Desktop, PCI Express configurations: 1x16, 1x8+2x4, 2x8, Supported instruction sets: SSE4.1, SSE4.2

Processor		Features	
Processor model *	G1610T	PCI Express slots version	2.0
Processor base frequency *	2.3 GHz	PCI Express configurations	1x16, 1x8+2x4, 2x8
Processor family *	Intel® Celeron® G	Supported instruction sets	SSE4.1, SSE4.2
Processor cores *	2	Scalability	1S
Processor socket *	LGA 1155 (Socket H2)	CPU configuration (max)	1
Component for	PC	Embedded options available	✗
Processor lithography *	22 nm	Thermal solution specification	PCG 2011A
Processor series	Intel Celeron Processor G1000 Series for Desktop	Processor special features	
Processor threads	2	Intel® Anti-Theft Technology (Intel® AT)	✗
System bus rate	5 GT/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor operating modes *	64-bit	Intel® My WiFi Technology (Intel® MWT)	✗
Processor cache	2 MB	Intel® Turbo Boost Technology	✗
Processor cache type	Smart Cache	Intel® Quick Sync Video Technology	✗
Thermal Design Power (TDP)	35 W	Intel® InTru™ 3D Technology	✗
Stepping	P0	Intel® Wireless Display (Intel® WiDi)	✗
Bus type	DMI	Intel® Clear Video HD Technology (Intel® CVT HD)	✗
Memory bandwidth supported by processor (max)	21 GB/s	Intel® Insider™	✗
Memory		Intel® AES New Instructions (Intel® AES-NI)	✗
Maximum internal memory supported by processor	32 GB	Enhanced Intel SpeedStep Technology	✓
Memory types supported by processor	DDR3-SDRAM	Intel Trusted Execution Technology	✗
Memory clock speeds supported by processor	1333 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
Memory channels *	Dual-channel	Intel® Secure Key	✗
ECC	✓	Intel 64	✓
Graphics		Intel Virtualization Technology (VT-x)	✓
On-board graphics card *	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✗
On-board graphics card model *	Intel® HD Graphics	Conflict-Free processor	✓
On-board graphics card base frequency	650 MHz	Intel® vPro™ Platform Eligibility	✗
On-board graphics card dynamic frequency (max)	1050 MHz	Features	
Number of displays supported (on-board graphics)	3	Execute Disable Bit	✓
Features		Idle States	✓

Features

Thermal Monitoring Technologies	✓
Market segment	Desktop

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