

Intel Pentium Gold G7400 / 3.7 GHz processor (BX80715G7400)

Intel Pentium Gold G7400 - 3.7 GHz - 2 cores - 4 threads - 6 MB cache - LGA1700 Socket - Box

Get exceptional computing performance to keep your life moving. Browse the web, shop, and communicate with friends simultaneously. With improved graphics, light weight and low power consumption, witness a processor built for better experiences.¶The Intel Pentium processor has improved functionality with less stress. Create, edit, and organize critical documents while managing photos and staying on top of emails.¶The Intel Pentium features upgraded graphics and computing performance to juice up your casual gaming life. Level up your enjoyment with more seamless action and snappier gameplay experiences.

Key Selling Points

Chat, shop, or surf in style
Whatever you do, do it faster
Never stop playing

Product Features

Chat, shop, or surf in style
Get exceptional computing performance to keep your life moving. Browse the web, shop, and communicate with friends simultaneously. With improved graphics, light weight and low power consumption, witness a processor built for better experiences.

Whatever you do, do it faster
The Intel Pentium processor has improved functionality for multitasking, helping you get more work done with less stress. Create, edit, and organize critical documents while managing photos and staying on top of emails.

Never stop playing
The Intel Pentium features upgraded graphics and computing performance to juice up your casual gaming life. Level up your enjoyment with more seamless action and snappier gameplay experiences.

Main specifications

Product Description	Intel Pentium Gold G7400 / 3.7 GHz processor - Box
Product Type	Processor
Processor Type	Intel Pentium Gold G7400
Number of Cores	Dual-Core / 4 threads
Cache	6 MB
Integrated Graphics	Intel UHD Graphics 710
Compatible Processor Socket	LGA1700 Socket
Processor Qty	1
Clock Speed	3.7 GHz
Manufacturing Process	10 nm
Features	Intel Gaussian and Neural Accelerator 3.0, Intel Deep Learning Boost (DL Boost), Intel Optane Memory Supported, Intel Speed Shift Technology, Hyper-Threading Technology, Intel Virtualization Technology, Intel Virtualization Technology for Directed I/O (VT-d), Intel VT-x with Extended Page Tables (EPT), Intel 64 Technology, Instruction Set 64-bit, streaming SIMD extensions 4.1, streaming SIMD extensions 4.2, Intel Advanced Vector Extensions 2 (AVX2.0), Idle States, Enhanced SpeedStep technology, Thermal Monitoring Technologies, Intel Volume Management Device (VMD), Intel AES New Instructions (AES-NI), Intel Secure Key, Intel OS Guard, Execute Disable Bit capability, Intel Boot Guard, Mode-based Execute Control (MBE), Intel Control-Flow Enforcement Technology
Manufacturer Warranty	3-year warranty

Extended specification

General

Product Type	Processor
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Manufacturer Warranty

Service & Support	Limited warranty - 3 years
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Processor

Type / Form Factor	Intel Pentium Gold G7400
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Number of Cores	Dual-Core
Number of Threads	4 threads
Cache	6 MB
Cache Memory Details	L3 - Smart Cache - 6 MB L2 - 2.5 MB
Processor Qty	1
Clock Speed	3.7 GHz
Compatible Processor Socket	LGA1700 Socket
Manufacturing Process	10 nm
Thermal Design Power	46 W
Thermal Specification	100 °C
PCI Express Revision	4.0/5.0
PCI Express Configurations	1x16+4, 2x8+4
PCI Express Lanes Qty	20
Architecture Features	Intel Gaussian and Neural Accelerator 3.0, Intel Deep Learning Boost (DL Boost), Intel Optane Memory Supported, Intel Speed Shift Technology, Hyper-Threading Technology, Intel Virtualization Technology, Intel Virtualization Technology for Directed I/O (VT-d), Intel VT-x with Extended Page Tables (EPT), Intel 64 Technology, Instruction Set 64-bit, streaming SIMD extensions 4.1, streaming SIMD extensions 4.2, Intel Advanced Vector Extensions 2 (AVX2.0), Idle States, Enhanced SpeedStep technology, Thermal Monitoring Technologies, Intel Volume Management Device (VMD), Intel AES New Instructions (AES-NI), Intel Secure Key, Intel OS Guard, Execute Disable Bit capability, Intel Boot Guard, Mode-based Execute Control (MBE), Intel Control-Flow Enforcement Technology

Miscellaneous

Package Type	Intel Boxed
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Integrated Graphics

Type	Intel UHD Graphics 710
Base Frequency	300 MHz
Max Dynamic Frequency	1.35 GHz
Max Supported Resolution	4096x2160@60Hz (HDMI), 7680x4320@60Hz (DP), 5120x3200@120Hz (eDP)
Features	Intel Quick Sync Video, Intel Clear Video HD Technology, Quad Display Capable

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