

Intel Pentium Gold G7400 processor 3.7 GHz 6 MB Smart Cache Box

Model: BX80715G7400

Manufacturer: INTEL

EAN: 5032037238410

Product Code: 1550101

R2,735

Harmonized System (HS) code: 85423119 | Direct Media Interface (DMI) Revision: 4.0 | Maximum number of DMI lanes: 8 | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | Intel Turbo Boost Max Technology 3.0: No | Intel® Standard Manageability (ISM): Yes | Intel® Control-flow Enforcement Technology (CET): Yes | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 pixels | On-board graphics card maximum resolution (HDMI): 4096 x 2160 pixels | On-board graphics card outputs supported: Embedded DisplayPort (eDP) | On-board graphics card outputs supported: HDMI 2.1 | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | L2 cache: 2560 KB | Status: Launched | Memory types supported by processor: DDR5-SDRAM | Performance cores: 2 | Processor base power: 46 W | Thermal solution specification: PCG 2020C | On-board graphics card outputs supported: DisplayPort 1.4 | Maximum internal memory supported by processor: 128 GB | On-board graphics card OpenGL version: 4.5 | Scalability: 1S | Market segment: Desktop | Multi-Format Codec Engines: 1 | Mode-

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based Execute Control (MBE): Yes | Processor base frequency: 3.7 GHz | Intel® Thread Director: No | On-board graphics card ID: 0x4693 | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | Performance-core base frequency: 3.7 GHz | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | Intel® Speed Shift Technology: Yes | Intel® Volume Management Device (VMD): Yes | On-board graphics card dynamic frequency (max): 1.35 MHz | Use conditions: PC/Client/Tablet | Intel® Boot Guard: Yes | Export Control Classification Number (ECCN): 5A992.C | Memory types supported by processor: DDR4-SDRAM | OpenGL support: Yes | Number of displays supported (on-board graphics): 4 | On-board graphics card outputs supported: DisplayPort 1.4a | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | Commodity Classification Automated Tracking System (CCATS): G167599 | Launch date: Q1'22 | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Memory bandwidth supported by processor (max): 76.8 GB/s | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | Processor cache: 6 MB | Embedded options available: Yes | Intel® Secure Key: Yes | Processor family: Intel® Pentium® Gold | Warnings: Avoid contact with liquids. | CPU configuration (max): 1 | OpenCL version: 3.0 | Intel Enhanced Halt State: Yes | Intel® Quick Sync Video Technology: Yes | Idle States: Yes | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Processor package size: 45 x 37.5 mm | Warnings: Do not dismantle the appliance. | Warnings: Avoid exposure to high temperatures and direct sunlight. | Maximum internal memory: 128 GB | Processor ARK ID: 219435 | Processor cores: 2 | Thermal Monitoring Technologies: Yes | Processor codename: Alder Lake | Processor socket: LGA 1700 | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Processor model: G7400 | Execute Disable Bit: Yes | On-board graphics card model: Intel UHD Graphics 710 | Stepping: H0 | Supported instruction sets: SSE4.2 | On-board graphics card DirectX version: 12.0 | Discrete graphics card: No | Processor threads: 4 | Supported instruction sets: AVX 2.0 | Intel 64: Yes | Tjunction: 100 °C | Intel® Turbo Boost Technology: No | Supported instruction sets: SSE4.1 | Processor operating modes: 64-bit | Memory channels: Dual-channel | Intel® Optane™ Memory Ready: Yes | On-board graphics card base frequency: 300 MHz | Processor manufacturer: Intel | PCI Express slots version: 4.0 | Intel VT-x with Extended Page Tables (EPT): Yes | Discrete graphics card model: Not available | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | On-board graphics card: Yes | Bus type: DMI4 | Intel® OS Guard: Yes | Memory bandwidth (max): 76.8 GB/s | Number of execution units: 16 | Maximum number of PCI Express lanes: 20 | Enhanced Intel SpeedStep Technology: Yes

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