

Intel Pentium G4560T processor 2.9 GHz 3 MB

Brand : Intel

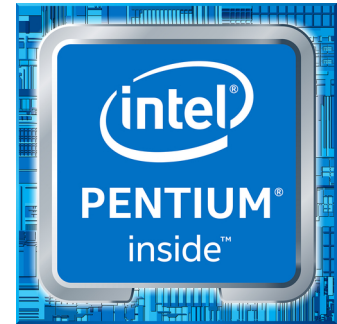
Product family: Pentium

Product code:
CM8067703016117

Product name : G4560T

Intel® Pentium® Processor G4560T
(3M Cache, 2.90 GHz)

Intel Pentium G4560T. Processor family: Intel Pentium 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, DDR3L-SDRAM. On-board graphics card model: Intel® HD Graphics 610, On-board graphics card memory: 64 GB, Maximum on-board graphics card memory: 64 GB. Market segment: Desktop, PCI Express configurations: 1x16, 2x8, 1x8+2x4, Supported instruction sets: SSE4.1, SSE4.2. Processor package size: 37.5 x 37.5 mm



| Processor | | Features | |
|--|--|---|---------|
| Processor manufacturer * | Intel | Export Control Classification Number (ECCN) | 5A992C |
| Processor model * | G4560T | Commodity Classification Automated Tracking System (CCATS) | G077159 |
| Processor base frequency * | 2.9 GHz | Processor special features | |
| Processor family * | Intel Pentium G | Intel® Hyper Threading Technology (Intel® HT Technology) | ✓ |
| Processor cores * | 2 | Intel® Identity Protection Technology (Intel® IPT) | ✓ |
| Processor socket * | LGA 1151 (Socket H4) | Intel® Turbo Boost Technology | ✗ |
| Component for | PC | Intel® Quick Sync Video Technology | ✓ |
| Processor lithography * | 14 nm | Intel® InTru™ 3D Technology | ✓ |
| Processor series | Intel Pentium G4500 Series For Desktop | Intel® Clear Video HD Technology (Intel® CVT HD) | ✓ |
| Processor threads | 4 | Intel® AES New Instructions (Intel® AES-NI) | ✓ |
| System bus rate | 8 GT/s | Enhanced Intel SpeedStep Technology | ✓ |
| Processor operating modes * | 64-bit | Intel Trusted Execution Technology | ✗ |
| Processor cache | 3 MB | Intel® Memory Protection Extensions (Intel® MPX) | ✓ |
| Thermal Design Power (TDP) | 35 W | Intel® Transactional Synchronization Extensions | ✗ |
| Box * | ✗ | Intel Enhanced Halt State | ✓ |
| Configurable TDP-down frequency | 2.1 GHz | Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) | ✓ |
| Cooler included * | ✗ | Intel VT-x with Extended Page Tables (EPT) | ✓ |
| Stepping | S0 | Intel® Secure Key | ✓ |
| Bus type | DMI3 | Intel TSX-NI | ✗ |
| Processor codename | Kaby Lake | | |
| Processor code | SR35T | | |
| Processor ARK ID | 97465 | | |
| Memory | | | |
| Maximum internal memory supported by processor | 64 GB | | |
| Memory types supported by processor | DDR4-SDRAM, DDR3L-SDRAM | | |
| Memory clock speeds supported by processor | 1333,1600,2133,2400 MHz | | |

| Memory | | Processor special features | |
|---|---|---|-------------------------|
| Memory voltage supported by processor | 1.35 V | Intel Stable Image Platform Program (SIPP) | ✗ |
| Memory channels * | Dual-channel | Intel® OS Guard | ✓ |
| ECC | ✓ | Intel Clear Video Technology | ✓ |
| Graphics | | Intel Software Guard Extensions (Intel SGX) | ✓ |
| On-board graphics card * | ✓ | Intel 64 | ✓ |
| On-board graphics card model * | Intel® HD Graphics 610 | Intel Identity Protection Technology version | 1.00 |
| On-board graphics card memory | 64 GB | Intel Secure Key Technology version | 1.00 |
| Maximum on-board graphics card memory | 64 GB | Intel Stable Image Platform Program (SIPP) version | 0.00 |
| On-board graphics card outputs supported | DisplayPort, Embedded DisplayPort (eDP), HDMI | Intel Virtualization Technology (VT-x) | ✓ |
| On-board graphics card base frequency | 350 MHz | Intel Virtualization Technology for Directed I/O (VT-d) | ✓ |
| On-board graphics card dynamic frequency (max) | 1050 MHz | Intel TSX-NI version | 0.00 |
| Number of displays supported (on-board graphics) | 3 | Conflict-Free processor | ✓ |
| On-board graphics card 4K support | ✓ | Intel® Optane™ Memory Ready | ✗ |
| On-board graphics card DirectX version | 12.0 | Intel® Boot Guard | ✓ |
| On-board graphics card OpenGL version | 4.4 | Intel® vPro™ Platform Eligibility | ✗ |
| On-board graphics card maximum resolution (DisplayPort) | 4096 x 2304 pixels | Operational conditions | |
| On-board graphics card maximum resolution (eDP - Integrated Flat Panel) | 4096 x 2304 pixels | Tjunction | 92 °C |
| On-board graphics card maximum resolution (HDMI) | 4096 x 2304 pixels | Technical details | |
| On-board graphics card refresh rate at maximum resolution (DisplayPort) | 60 Hz | Bus bandwidth | 8 |
| On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel) | 60 Hz | Bus type units | GT/s |
| On-board graphics card refresh rate at maximum resolution (HDMI) | 24 Hz | Launch date | Q1'17 |
| On-board graphics card ID | 0x5902 | Maximum resolution & refresh rate (DisplayPort) | 4096x2304@60Hz |
| Features | | Maximum resolution & refresh rate (HDMI) | 4096x2304@24Hz |
| Execute Disable Bit | ✓ | Maximum resolution & refresh rate (Integrated Flat Panel) | 4096x2304@60Hz |
| Idle States | ✓ | Processor cache | 3072 KB |
| Thermal Monitoring Technologies | ✓ | Product type | Processor |
| Market segment | Desktop | Status | Discontinued |
| Maximum number of PCI Express lanes | 16 | Maximum memory | 64 GB |
| PCI Express slots version | 3.0 | Processor brand name | Intel Pentium |
| PCI Express configurations | 1x16, 2x8, 1x8+2x4 | Supported memory types | DDR4-SDRAM, DDR3L-SDRAM |
| Supported instruction sets | SSE4.1, SSE4.2 | Last change | 63903513 |
| Scalability | 1S | Product family | Intel Pentium Processor |
| CPU configuration (max) | 1 | Bus speed | 8 GT/s |
| Embedded options available | ✗ | Maximum graphics card memory | 64 GB |
| Thermal solution specification | PCG 2015A | Processor ID | 0x5902 |
| PCI Express CEM revision | 3.0 | Logistics data | |
| | | Harmonized System (HS) code | 8542310001 |
| | | Weight & dimensions | |
| | | Processor package size | 37.5 x 37.5 mm |
| | | Other features | |
| | | Maximum internal memory | 64 GB |
| | | Maximum internal memory | 65536 MB |
| | | Video decoding | ✓ |



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