

# Intel Pentium G5600



|                  |                               |
|------------------|-------------------------------|
| ARTIKELNUMMER    | 56319                         |
| FABRIKANTNUMMER  | BX80684G5600                  |
| FABRIEKSGARANTIE | Bring in Service (36 maanden) |

## Productinformatie

| Processor                                                |                                                            |
|----------------------------------------------------------|------------------------------------------------------------|
| Processorfamilie                                         | Intel Pentium Gold                                         |
| Processormodel                                           | G5600                                                      |
| Frequentie van processor                                 | 3,9 GHz                                                    |
| Aantal processorkernen                                   | 2                                                          |
| Processor socket                                         | (Intel) LGA 1151                                           |
| Processor lithografie                                    | 14 nm                                                      |
| Box                                                      | Ja                                                         |
| Component voor                                           | PC                                                         |
| Processorserie                                           | Intel Pentium Gold Series                                  |
| Processor aantal threads                                 | 4                                                          |
| Systeembus                                               | 8 GT/s                                                     |
| Processor operating modes                                | 64-bit                                                     |
| Processor cache                                          | 4 MB                                                       |
| Thermal Design Power (TDP)                               | 54 W                                                       |
| Compatibele chipsets                                     | Intel B360, Intel H310, Intel H370, Intel Q370, Intel Z370 |
| Stepping                                                 | B0                                                         |
| Bus type                                                 | DMI3                                                       |
| Processorcode                                            | SR3YB                                                      |
| Geheugenbandbreedte ondersteund door de processor ( max) | 37,5 GB/s                                                  |
| Codenaam processor                                       | Coffee Lake                                                |
| ARK ID processor                                         | 129945                                                     |

| Geheugen                                            |            |
|-----------------------------------------------------|------------|
| Maximaal intern geheugen ondersteund door processor | 64 GB      |
| Geheugentypen ondersteund door processor            | DDR4-SDRAM |
| Klokgeheugen-snelheden ondersteund door processor   | 2400 MHz   |
| Geheugenkanalen ondersteund door processor          | Dual       |
| ECC ondersteund door processor                      | Ja         |

| Kenmerken                          |                    |
|------------------------------------|--------------------|
| Execute Disable Bit                | Ja                 |
| Idle States                        | Ja                 |
| Thermal Monitoring Technologies    | Ja                 |
| Maximaal aantal PCI Express-lijnen | 16                 |
| PCI Express slots versie           | 3.0                |
| PCI Express configuraties          | 1x16, 1x8+2x4, 2x8 |
| Ondersteunde instructie sets       | SSE4.1, SSE4.2     |
| Schaalbaarheid                     | 1S                 |
| CPU configuratie (max)             | 1                  |
| Ingebouwde opties beschikbaar      | Nee                |
| Thermal solution specificatie      | PCG 2015C          |

| Grafisch                                                                         |                                               |  |
|----------------------------------------------------------------------------------|-----------------------------------------------|--|
| Ingebouwde grafische adapter                                                     | Ja                                            |  |
| Aparte grafische adapter                                                         | Nee                                           |  |
| On-board graphics adapter model                                                  | Intel UHD Graphics 630                        |  |
| Maximaal geheugen ingebouwde grafische adapter                                   | 64 GB                                         |  |
| On-board ondersteunde grafische adapter uitgangen                                | DisplayPort, Embedded DisplayPort (eDP), HDMI |  |
| Basisfrequentie ingebouwde grafische adapter                                     | 350 MHz                                       |  |
| Graphics on-board -adapter dynamische frequentie (max)                           | 1100 MHz                                      |  |
| Aantal displays ondersteund (door on-board grafische adapter)                    | 3                                             |  |
| 4K-ondersteuning                                                                 | Ja                                            |  |
| On-board grafische adapter DirectX-versie                                        | 12.0                                          |  |
| On-board grafische adapter OpenGL versie                                         | 4.5                                           |  |
| Graphics aan boord maximale resolutie adapter (DisplayPort )                     | 4096 x 2304 Pixels                            |  |
| Maximale resolutie (eDP - Integrated Flat Panel)                                 | 4096 x 2304 Pixels                            |  |
| Maximale resolutie ingebouwde grafische adapter (HDMI)                           | 4096 x 2304 Pixels                            |  |
| Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort )    | 60 Hz                                         |  |
| Refresh rate op maximale resolutie (eDP - Integrated Flat Panel)                 | 60 Hz                                         |  |
| Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI) | 24 Hz                                         |  |
| On-board grafische adapter ID                                                    | 0x3E91                                        |  |
| Discreet grafische adapter model                                                 | Niet beschikbaar                              |  |

| Processor speciale functies                                                    |     |  |
|--------------------------------------------------------------------------------|-----|--|
| Intel® Hyper Threading Technology (Intel® HT Technology)                       | Ja  |  |
| Intel® Identity Protection Technology (Intel® IPT)                             | Ja  |  |
| Intel® Turbo Boost Technology                                                  | Nee |  |
| Intel® vPro™ Technology                                                        | Nee |  |
| Intel® Quick Sync Video Technology                                             | Ja  |  |
| Intel® InTru™ 3D Technology                                                    | Ja  |  |
| Intel® Clear Video HD Technology (Intel® CVT HD)                               | Ja  |  |
| Intel® AES New Instructions (Intel® AES-NI)                                    | Ja  |  |
| Enhanced Intel SpeedStep Technology                                            | Ja  |  |
| Intel® Trusted Execution Technology                                            | Nee |  |
| Intel® Memory Protection Extensions (Intel® MPX)                               | Nee |  |
| Intel® Device Protection Technology (Intel® DPT) met Boot Guard                | Ja  |  |
| Intel® Enhanced Halt State                                                     | Ja  |  |
| Intel® Clear Video Technology for Mobile Internet Devices (Intel® CVT for MID) | Ja  |  |
| Intel® VT-x with Extended Page Tables (EPT)                                    | Ja  |  |
| Intel® Secure Key                                                              | Ja  |  |
| Intel® TSX-NI                                                                  | Nee |  |
| Intel® Stable Image Platform Program (SIPP)                                    | Nee |  |
| Intel® OS Guard                                                                | Nee |  |
| Intel® Clear Video-technologie                                                 | Ja  |  |
| Intel® Software Guard Extensions (Intel® SGX)                                  | Ja  |  |
| Intel® 64                                                                      | Ja  |  |
| Intel® Virtualization Technology (VT-x)                                        | Ja  |  |
| Intel® Virtualization Technology for Directed I/O (VT-d)                       | Ja  |  |
| Intel® Optane™ Memory Ready                                                    | Nee |  |

| Eisen aan de omgeving |        |  |
|-----------------------|--------|--|
| Tjunction             | 100 °C |  |

| Technische details |                         |  |
|--------------------|-------------------------|--|
| Processorcache     | 4096 KB                 |  |
| Type product       | 4                       |  |
| Status             | Launched                |  |
| Productfamilie     | Intel Pentium Processor |  |

| Verpakking       |    |  |
|------------------|----|--|
| Inclusief koeler | Ja |  |

| Gewicht en omvang            |             |  |
|------------------------------|-------------|--|
| Verpakkingsgrootte processor | 37.5 x 37.5 |  |

| Overige specificaties    |          |  |
|--------------------------|----------|--|
| Maximaal intern geheugen | 65536 MB |  |

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