

Intel Celeron G5905 processor 3,5 GHz 4 MB Smart Cache Box

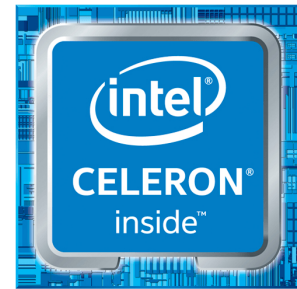
Merk : Intel

Productfamilie: Celeron

Artikelcode: BX80701G5905

Productnaam : G5905

Intel Celeron G5905. Processorfamilie: Intel® Celeron® G, Processor socket: LGA 1200 (Socket H5), Processor lithografie: 14 nm. Geheugen kanaal: Dubbelkanaals, Maximaal intern geheugen ondersteund door processor: 128 GB, Geheugentypen ondersteund door processor: DDR4-SDRAM. On-board graphics adapter model: Intel® UHD Graphics 610, Maximaal geheugen ingebouwde grafische adapter: 64 GB, Basisfrequentie ingebouwde grafische adapter: 350 MHz. Marktsegment: Desktop, PCI Express configuraties: 1x16, 2x8, 1x8+2x4, Ondersteunde instructie sets: SSE4.1, SSE4.2. Type verpakking: Retaildoos



| Processor | | Kenmerken | |
|---|-------------------------|--|-----------|
| Processorfabrikant * | Intel | Ingebouwde opties beschikbaar | ✗ |
| Processormodel * | G5905 | Thermal solution specificatie | PCG 2015C |
| Basisfrequentie processor * | 3,5 GHz | PCI Express CEM revisie | 3.0 |
| Processorfamilie * | Intel® Celeron® G | Export Control Classification Number (ECCN) | 5A992C |
| Aantal processorkernen * | 2 | Commodity Classification Automated Tracking System (CCATS) | G077159 |
| Processor socket * | LGA 1200 (Socket H5) | Processor speciale functies | |
| Component voor | PC | Intel® Hyper Threading Technology (Intel® HT Technology) | ✗ |
| Processor lithografie * | 14 nm | Intel® Identity Protection Technology (Intel® IPT) | ✓ |
| Processor aantal threads | 2 | Intel® Turbo Boost Technology | ✗ |
| Systeembus | 8 GT/s | Intel® Quick Sync Video Technology | ✓ |
| Processor operating modes * | 64-bit | Intel® InTru™ 3D Technology | ✓ |
| Processor cache | 4 MB | Intel® Clear Video HD Technology (Intel® CVT HD) | ✓ |
| Processor cache type | Smart Cache | Intel® AES New Instructions (Intel® AES-NI) | ✓ |
| Thermal Design Power (TDP) | 58 W | Enhanced Intel SpeedStep Technology | ✓ |
| Box * | ✓ | Intel® Trusted Execution Technology | ✗ |
| Inclusief koeler * | ✓ | Intel® Thermal Velocity Boost | ✗ |
| Geheugenbandbreedte ondersteund door de processor (max) | 41,6 GB/s | Intel® Transactional Synchronization Extensions | ✗ |
| Codenaam processor | Comet Lake | Intel® VT-x with Extended Page Tables (EPT) | ✓ |
| ARK ID processor | 201899 | Intel® Secure Key | ✓ |
| Geheugen | | Intel® Stable Image Platform Program (SIPP) | ✗ |
| Maximaal intern geheugen ondersteund door processor | 128 GB | Intel® OS Guard | ✓ |
| Geheugentypen ondersteund door processor | DDR4-SDRAM | Intel® Clear Video-technologie | ✓ |
| Klokgeheugen-snelheden ondersteund door processor | 2666 MHz | Intel® Software Guard Extensions (Intel® SGX) | ✓ |
| Geheugen kanaal * | Dubbelkanaals | Intel® 64 | ✓ |
| Grafisch | | Intel® Virtualization Technology (VT-x) | ✓ |
| Ingebouwde grafische adapter * | ✓ | Intel® Virtualization Technology for Directed I/O (VT-d) | ✓ |
| Aparte grafische adapter * | ✗ | Intel® Turbo Boost Max Technology 3.0 | ✗ |
| On-board graphics adapter model * | Intel® UHD Graphics 610 | Intel® Optane™ Memory Ready | ✓ |
| Maximaal geheugen ingebouwde grafische adapter | 64 GB | Intel® Boot Guard | ✓ |
| Basisfrequentie ingebouwde grafische adapter | 350 MHz | Intel® vPro™ Platform Eligibility | ✗ |
| Graphics on-board -adapter dynamische frequentie (max) | 1050 MHz | | |
| Aantal displays ondersteund (door on-board grafische adapter) | 3 | | |
| 4K-ondersteuning | ✓ | | |
| On-board grafische adapter DirectX-versie | 12.0 | | |
| On-board grafische adapter OpenGL versie | 4.5 | | |

| Grafisch | | Eisen aan de omgeving | |
|--|--------------------|--|----------------|
| Graphics aan boord maximale resolutie adapter (DisplayPort) | 4096 x 2304 Pixels | Tjunction | 100 °C |
| Maximale resolutie (eDP - Integrated Flat Panel) | 4096 x 2304 Pixels | Technische details | |
| Maximale resolutie ingebouwde grafische adapter (HDMI) | 4096 x 2160 Pixels | Lanceringsdatum | Q3'20 |
| Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort) | 60 Hz | Maximale resolutie & verversingsfrequentie (DisplayPort) | 4096x2304@60Hz |
| Refresh rate op maximale resolutie (eDP - Integrated Flat Panel) | 60 Hz | Type product | Processor |
| Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI) | 30 Hz | Status | Launched |
| On-board grafische adapter ID | 0x9BA8 | Maximaal geheugen | 128 GB |
| Discreet grafische adapter model * | Niet beschikbaar | Ondersteunde geheugen types | DDR4-SDRAM |
| Kenmerken | | Bussnelheid | 8 GT/s |
| Execute Disable Bit | ✓ | Maximaal geheugen grafische adapter | 64 GB |
| Idle States | ✓ | Processor-id | 0x9BA8 |
| Thermal Monitoring Technologies | ✓ | Logistieke gegevens | |
| Marktsegment | Desktop | Code geharmoniseerd systeem (HS) | 85423119 |
| Maximaal aantal PCI Express-lijnen | 16 | Verpakking | |
| PCI Express slots versie | 3.0 | Type verpakking | Retaildoos |
| PCI Express configuraties | 1x16, 2x8, 1x8+2x4 | Gewicht en omvang | |
| Ondersteunde instructie sets | SSE4.1, SSE4.2 | Verpakkingsgrootte processor | 37.5 x 37.5 mm |
| Schaalbaarheid | 1S | Overige specificaties | |
| CPU configuratie (max) | 1 | Maximum intern geheugen | 128 GB |



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