



MSI Pro 20EX 7M-034XEU Intel® Celeron® G G3930 49,5 cm (19.5") 1600 x 900 pixels All-in-One PC 4 GB DDR4-SDRAM 1 TB HDD Wi-Fi 5 (802.11ac) White

Brand : MSI

Product family: Pro

Article code: 956-AAC112-034

Product name : 20EX 7M-034XEU



MSI Pro 20EX 7M-034XEU. Product type: All-in-One PC. Display diagonal: 49,5 cm (19.5"), HD type: HD+, Display resolution: 1600 x 900 pixels, Screen shape: Flat. Processor family: Intel® Celeron® G, Processor frequency: 2,9 GHz. Internal memory: 4 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1 TB, Storage media: HDD. On-board graphics card model: Intel® HD Graphics 610. Built-in camera. Optical drive type: DVD Super Multi. Product color: White

| Display | | Network | |
|--|--|--|--------------------|
| Display diagonal * | 49.5 cm (19.5") | Top Wi-Fi standard * | Wi-Fi 5 (802.11ac) |
| Display resolution * | 1600 x 900 pixels | Wi-Fi standards | Wi-Fi 5 (802.11ac) |
| Touchscreen * | ✗ | Ethernet LAN * | ✓ |
| HD type * | HD+ | Ethernet LAN data rates | 10,100,1000 Mbit/s |
| LED backlight | ✓ | Bluetooth * | ✓ |
| Native aspect ratio | 16:9 | Bluetooth version | 4.2 |
| Screen shape | Flat | Ports & interfaces | |
| Processor | | Ethernet LAN (RJ-45) ports | 1 |
| Processor manufacturer * | Intel | USB 2.0 ports quantity * | 3 |
| Processor family * | Intel® Celeron® G | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 3 |
| Processor model * | G3930 | USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity * | 1 |
| Processor cores | 2 | HDMI ports quantity * | 2 |
| Processor threads | 2 | VGA (D-Sub) ports quantity | 1 |
| Processor frequency * | 2.9 GHz | Headphone outputs | 1 |
| Processor cache | 2 MB | Microphone in | ✓ |
| Processor cache type | Smart Cache | DC-in jack | ✓ |
| System bus rate | 8 GT/s | Design | |
| 64-bit computing | ✓ | Product colour * | White |
| Thermal Design Power (TDP) | 51 W | Performance | |
| PCI Express slots version | 3.0 | Product type * | All-in-One PC |
| Processor socket | LGA 1151 (Socket H4) | Motherboard chipset | Intel® H110 |
| Processor lithography | 14 nm | Software | |
| Processor operating modes | 64-bit | Operating system installed * | ✗ |
| Stepping | S0 | Processor special features | |
| Bus type | DMI3 | Intel® Turbo Boost Technology | ✗ |
| Processor codename | Kaby Lake | Intel® Hyper Threading Technology (Intel® HT Technology) | ✗ |
| Processor series | Intel Celeron Processor G3000 series for Desktop | Intel® Identity Protection Technology (Intel® IPT) | ✓ |
| Maximum number of PCI Express lanes | 16 | Enhanced Intel SpeedStep Technology | ✓ |
| PCI Express configurations | 1x16, 1x8+2x4, 2x8 | Intel® Quick Sync Video Technology | ✓ |
| Processor code | SR35K | Intel® Clear Video HD Technology (Intel® CVT HD) | ✓ |
| Tjunction | 100 °C | Intel Clear Video Technology | ✓ |
| Maximum internal memory supported by processor | 64 GB | | |
| Conflict-Free processor | ✓ | | |
| Memory types supported by processor | DDR3L-SDRAM, DDR4-SDRAM | | |
| Memory clock speeds supported by processor | 1333,1600,2133,2400 MHz | | |

| Processor | | Processor special features | |
|--|----------------------------|---|----------------|
| Memory channels supported by processor | Dual | Intel® InTru™ 3D Technology | ✓ |
| ECC supported by processor | ✗ | Intel® AES New Instructions (Intel® AES-NI) | ✓ |
| Memory voltage supported by processor | 1.35 V | Intel Trusted Execution Technology | ✗ |
| Memory | | Intel Enhanced Halt State | ✓ |
| Internal memory * | 4 GB | Intel VT-x with Extended Page Tables (EPT) | ✓ |
| Internal memory type | DDR4-SDRAM | Intel® Secure Key | ✓ |
| Maximum internal memory * | 32 GB | Intel TSX-NI | ✗ |
| Memory slots | 2 | Intel Stable Image Platform Program (SIPP) | ✗ |
| Memory slots type | SO-DIMM | Intel® OS Guard | ✓ |
| Storage | | Intel Software Guard Extensions (Intel SGX) | ✓ |
| Total storage capacity * | 1 TB | Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) | ✓ |
| Storage media * | HDD | Intel 64 | ✓ |
| Number of HDDs installed | 1 | Execute Disable Bit | ✓ |
| HDD capacity | 1 TB | Idle States | ✓ |
| HDD speed | 7200 RPM | Thermal Monitoring Technologies | ✓ |
| HDD size | 2.5" | Processor package size | 37.5 x 37.5 mm |
| HDD interface | SATA III | Supported instruction sets | SSE4.1, SSE4.2 |
| Optical drive type * | DVD Super Multi | Scalability | 1S |
| Card reader integrated | ✓ | CPU configuration (max) | 1 |
| Compatible memory cards | MMC, Memory Stick (MS), SD | Embedded options available | ✗ |
| Graphics | | Thermal solution specification | PCG 2015C |
| Discrete graphics card * | ✓ | Intel Virtualization Technology for Directed I/O (VT-d) | ✓ |
| Discrete graphics card model * | Not available | Intel Identity Protection Technology version | 1.00 |
| On-board graphics card * | ✓ | Intel Stable Image Platform Program (SIPP) version | 0.00 |
| On-board graphics card family | Intel® HD Graphics | Intel Secure Key Technology version | 1.00 |
| On-board graphics card model * | Intel® HD Graphics 610 | Intel Virtualization Technology (VT-x) | ✓ |
| On-board graphics card base frequency | 350 MHz | Intel TSX-NI version | 0.00 |
| On-board graphics card dynamic frequency (max) | 1050 MHz | Processor ARK ID | 97452 |
| Maximum on-board graphics card memory | 64 GB | Power | |
| Number of displays supported (on-board graphics) | 3 | AC adapter power | 120 W |
| On-board graphics card DirectX version | 12.0 | Pen | |
| On-board graphics card OpenGL version | 4.4 | Pen included | ✗ |
| On-board graphics card ID | 5902 | Weight & dimensions | |
| Audio | | Width (with stand) | 490.2 mm |
| Built-in speaker(s) * | ✓ | Depth (with stand) | 209.5 mm |
| Number of speakers | 2 | Height (with stand) | 395 mm |
| RMS rated power | 10 W | Weight (with stand) | 6.96 kg |
| Built-in microphone | ✓ | Other features | |
| Camera | | 3D | ✗ |
| Built-in camera * | ✓ | Detachable display | ✗ |
| Total megapixels | 1 MP | | |
| Network | | | |
| Wi-Fi * | ✓ | | |

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