**ComX Computers**
Product Specification Sheet

# BX8070110105-A

Intel Core i3 10105 3.7GHz 4 Core 8 Thread LGA 1200 Processor

## Product Overview

Intel Core i3 10105 3.7GHz; Turbo @ 4.4GHz, 4 Core 8 Thread; 6MB Smartcache; 65W TDP, Features: 128GB Max RAM, 16 PCIe Lanes, Optane Supported, 4K Support, Virtualization Support




## Specifications

**Specifications:**

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|---|---|
| **Specifications** | |
| **Product Code** | BX8070110105-A |
| **Essentials** | |
| **Product Collection** | 10th Generation Intel Core i3 Processors |
| **Vertical Segment** | Desktop |
| **Processor Number** | i3-10105 |
| **Lithography** | 14 nm |
| **Use Conditions** | PC/Client/Tablet |
| **CPU Specifications** | |
| **Total Cores** | 4 |
| **Total Threads** | 8 |
| **Max Turbo Frequency** | 4.40 GHz |
| **Intel Turbo Boost Technology 2.0 Frequency** | 4.40 GHz |
| **Processor Base Frequency** | 3.70 GHz |
| **Cache** | 6 MB Intel Smart Cache |

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| **Bus Speed** | 8 GT/s |
| **TDP** | 65 W |
| **Supplemental Information** | |
| **Embedded Options Available** | No |
| **Memory Specifications** | |
| **Max Memory Size (dependent on memory type)** | 128 GB |
| **Memory Types** | DDR4-2666 |
| **Max # of Memory Channels** | 2 |
| **Max Memory Bandwidth** | 41.6 GB/s |
| **ECC Memory Supported** | No |
| **Processor Graphics** | |
| **Processor Graphics** | Intel UHD Graphics 630 |
| **Graphics Base Frequency** | 350 MHz |
| **Graphics Max Dynamic Frequency** | 1.10 GHz |
| **Graphics Video Max Memory** | 64 GB |
| **4K Support** | Yes, at 60Hz |
| **Max Resolution (HDMI)** | 4096 x 2160@30Hz |
| **Max Resolution (DP)** | 4096 x 2304@60Hz |
| **Max Resolution (eDP - Integrated Flat Panel)** | 4096 x 2304@60Hz |
| **DirectX* Support** | 12 |
| **OpenGL* Support** | 4.5 |
| **Intel Quick Sync Video** | Yes |
| **Intel InTru 3D Technology** | Yes |
| **Intel Clear Video HD Technology** | Yes |
| **Intel Clear Video Technology** | Yes |
| **# of Displays Supported** | 3 |
| **Device ID** | 0x9BC8 |
| **Expansion Options** | |
| **Scalability** | 1S Only |
| **PCI Express Revision** | 3 |
| **PCI Express Configurations** | Up to 1x16, 2x8, 1x8 2x4 |
| **Max # of PCI Express Lanes** | 16 |
| **Package Specifications** | |
| **Sockets Supported** | FCLGA1200 |
| **Max CPU Configuration** | 1 |

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|---|---|
| **Thermal Solution Specification** | PCG 2015C |
| **TJUNCTION** | 100 degreesC |
| **Package Size** | 37.5mm x 37.5mm |
| **Advanced Technologies** | |
| **Intel Optane Memory Supported** | Yes |
| **Intel Thermal Velocity Boost** | No |
| **Intel Turbo Boost Max Technology 3.0** | No |
| **Intel Turbo Boost Technology** | 2 |
| **Intel Hyper-Threading Technology** | Yes |
| **Intel Transactional Synchronization Extensions** | No |
| **Intel 64** | Yes |
| **Instruction Set** | 64-bit |
| **Instruction Set Extensions** | Intel SSE4.1, Intel SSE4.2, Intel AVX2 |
| **Idle States** | Yes |
| **Enhanced Intel SpeedStep Technology** | Yes |
| **Thermal Monitoring Technologies** | Yes |
| **Intel Identity Protection Technology** | Yes |
| **Security & Reliability** | |
| **Intel vPro Platform Eligibility** | No |
| **Intel AES New Instructions** | Yes |
| **Secure Key** | Yes |
| **Intel Software Guard Extensions (Intel SGX)** | Yes with Intel ME |
| **Intel OS Guard** | Yes |
| **Intel Trusted Execution Technology** | No |
| **Execute Disable Bit** | Yes |
| **Intel Boot Guard** | Yes |
| **Intel Stable IT Platform Program (SIPP)** | No |
| **Intel Virtualization Technology (VT-x)** | Yes |
| **Intel Virtualization Technology for Directed I/O (VT-d)** | Yes |
| **Intel VT-x with Extended Page Tables (EPT)** | Yes |

## Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

**Product page:**
**https://www.comx-computers.co.za/BX8070110105-A-Intel-Core-i3-10105-3-7GHz-4-Core-8-Thread-LGA-1200-Processor-p-271085.php**

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