

Specifications

DESKTOP MICRO-PC ACTIVE COOLED

Model: A1touch-V4-i7-10510U Black



A1Touch Solution BV

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Specifications

Processor

Type	Intel i7-10510U, Comet Lake
Cores	64-bit 4 core, 8 thread
Clock speed	1.8 up to 4.9 Ghz
Cache	4 Mb smartCache
TDP	7.5 - 15W
Chipset	Intel Comet Lake

Memory

Supported	2x SO-DIMM 204-pin DDR4 SDRAM memory slots Up to 64GB (4/8/16/32/64Gb)
Installed	None; option 1*4, 1*8, 1*16, 2*4, 2*8, 2*16 Gb

Storage

Supported	1x SATA (2.5"ssd/hd) 1 x M.2 slot for 22*80 SSD, support 6Gb/s, support PCIE*4 and SATA3.0
Installed SATA SSD/ M.2 SSD	None, Option: 120, 240, 480Gb and 1Tb

Graphics

GPU	Intel® UHD Graphics Base Frequency 300 Mhz Graphics Max Dynamic Frequency: 1.15 Ghz Graphics Video Max Memory 32 GB
Display Interface 1	HDMI up to 4096 x 2304@60Hz
Display Interface 2	Display port up to 4096 x 2304@60Hz
Supported:	Dual display mode supported 4K/ 3D blue ray mode supported DirectX* Support: 12 OpenGL* Support 4.5 Intel® Quick Sync Video Intel® InTru™ 3D Technology Intel® Clear Video Technology Intel® Clear Video HD Technology Device ID0x9B41/0x9BCC

Audio

Codec	Realtek High Definition Audio Azalia Codec support 2.1 channel output
Audio Input/Output	1X Headphone-out/ MIC-in phone jack

Networking

LAN	1x GbE LAN ports: LAN1: Onboard RTL8168E PCI-E Gigabit Ethernet NIC none, option via mini PCIe (internal antenna pre-installed)
installed Wireless/ Bluetooth	

Connectivity

USB	4x USB 3.0 2x USB 2.0 1x Type-C USB 3.1
Serials	-
Special ports/connections	-
Expansion	1 x M.2 NGFF slot for Wi-Fi & Bluetooth module

Advanced Technologies

- Intel® Optane™ Memory Supported
- Intel® Speed Shift Technology
- Intel® Thermal Velocity Boost
- Intel® Turbo Boost Technology
- Intel® Hyper-Threading Technology

- Intel® Transactional Synchronization Extensions
- Intel® 64
- Instruction Set64-bit
- Instruction Set ExtensionsIntel® SSE4.1, Intel® SSE4.2, Intel® AVX2
- Intel® My WiFi Technology
- Idle States
- Enhanced Intel SpeedStep® Technology
- Thermal Monitoring Technologies
- Intel® Flex Memory Access
- Intel® Identity Protection Technology

Security & Reliability

- Intel® AES New Instructions
- Secure Key
- Intel® Software Guard Extensions (Intel® SGX)Yes with Intel® ME
- Intel® Memory Protection Extensions (Intel® MPX)
- Intel® OS Guard
- Execute Disable Bit
- Intel® Boot Guard
- Intel® Virtualization Technology (VT-x)
- Intel® Virtualization Technology for Directed I/O (VT-d)
- Intel® VT-x with Extended Page Tables (EPT) Auto-On

Special Functionality

Bootloader

Vendor

AMI (American Megatrends)

ACPI supported

Features

UEFI 2.4 supported

support call on function automatically

Operating System

Supported

Windows 7/8/10/11/ 10IOT ent 2021, 32-bits and 64-bits

Windows Server 2019

Linux 32-bit and 64-bit

Embedded OS

Official Linux

Linux Ubuntu 20.04 LTS (64-bits)

Installed

None, Optional

Operating Conditions

Input Voltage

DC 19V, 40W

Power Consumption

6W – 25W, Idle: 0.5W

Storage Temperature

-20°C~80°C

Operating Temperature

HDD models: 0°C – 50°C

SSD models: 0°C – 70°C

Humidity

10%-85%

Enclosure

Material

Full Aluminum enclosure, black anodized

Cooling

Passive Cooling Fanless Design

Dimensions (WxDXH)

128*128*38mm

Weight computer

800 gramm

Weight total package

1200 gramm

Certifications

Documents

CE

Package

In the Box

1. Computer

2. Power supply: input 100-240VAC 50/60Hz, 40W output 19VDC 2.1A,

- EU power cable (UK or USA on request)
- 3. Audio 3.5mm cable (on request)
- 4. WiFi 2.4GHz/5GHz band 2 antennas (wifi option)
- 5. Vesa bracket (option)
- 2 years bring-in

Warranty