

## ASUS Chromebox CHROMEBOX3 Intel® Core™ i7 i7-8550U 4 GB DDR3L-SDRAM 32 GB SSD ChromeOS Mini PC Black

**Brand :** ASUS

**Product family:** Chromebox

**Product code:** 90MS01B1-M00460

**Product name :** CHROMEBOX3

- All-new Chromebox, powered by the latest 8th Generation Intel® Core™ processor
  - Run thousands of Android app on Google Play with incredible performance
  - Versatile USB 3.1 Gen 1 Type-C port for data transfer, power delivery and DisplayPort functionality
  - Stay safe from viruses and malware with automatic system updates
  - VESA-mount compatible for a tidy, clutter-free work area
  - Easy setup and automatic software and security updates for protection from viruses and malware
- Intel Core i7-8550U (8MB Cache, 1.80GHz), 4GB, 32GB SSD, Intel UHD Graphics 620, LAN, WLAN, Bluetooth, ChromeOS



Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor family *	Intel® Core™ i7	DVI port	✗
Processor generation	8th gen Intel® Core™ i7	HDMI ports quantity *	1
Processor model *	i7-8550U	Ethernet LAN (RJ-45) ports	1
Processor cores	4	Microphone in	✗
Processor threads	8	Combo headphone/mic port	✓
Processor boost frequency	4 GHz	<b>Design</b>	
Processor frequency *	1.8 GHz	Chassis type *	Mini PC
Processor socket	BGA 1356	Product colour *	Black
Processor cache	8 MB	<b>Performance</b>	
System bus rate	4 GT/s	Product type *	Mini PC
Bus type	OPI	<b>Software</b>	
Processor lithography	14 nm	Operating system installed *	ChromeOS
Processor operating modes	64-bit	<b>Processor special features</b>	
Processor codename	Kaby Lake R	Intel 64	✓
Thermal Design Power (TDP)	15 W	Enhanced Intel SpeedStep Technology	✓
Configurable TDP-up frequency	2 GHz	Embedded options available	✗
Configurable TDP-up	25 W	Intel® InTru™ 3D Technology	✓
Configurable TDP-down	10 W	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Configurable TDP-down frequency	0.8 GHz	Intel Clear Video Technology	✓
Tjunction	100 °C	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express slots version	3.0	Intel TSX-NI	✗
Maximum number of PCI Express lanes	12	Idle States	✓
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Thermal Monitoring Technologies	✓
Number of processors installed	1	Intel® AES New Instructions (Intel® AES-NI)	✓
Stepping	Y0	Intel® Secure Key	✓
Maximum internal memory supported by processor	32 GB	Intel® OS Guard	✓
Memory types supported by processor	DDR4-SDRAM	Intel Trusted Execution Technology	✗
Memory clock speeds supported by processor	2133,2400 MHz	<b>Memory</b>	
Memory bandwidth supported by processor (max)	34.1 GB/s	Internal memory *	4 GB

Memory		Processor special features	
Maximum internal memory *	16 GB	Execute Disable Bit	✓
Internal memory type	DDR3L-SDRAM	Intel Flex Memory Access	✓
Memory channels	Dual-channel	Intel Enhanced Halt State	✓
Storage		Intel Software Guard Extensions (Intel SGX)	✓
Total storage capacity *	32 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Storage media *	SSD	Processor package size	42 X 24 mm
Optical drive type *	✗	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Total SSDs capacity	32 GB	CPU configuration (max)	1
Number of SSDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
SSD capacity	32 GB	Intel Identity Protection Technology version	1.00
Card reader integrated	✓	Intel Secure Key Technology version	1.00
Graphics		Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✗	Intel Smart Response Technology version	1.00
On-board graphics card *	✓	Intel TSX-NI version	0.00
Discrete graphics card model *	Not available	Processor ARK ID	122589
On-board graphics card family	Intel® UHD Graphics	Intel® Smart Response Technology	✓
On-board graphics card model *	Intel® UHD Graphics 620	Intel® Turbo Boost Technology	2.0
On-board graphics card base frequency	300 MHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
On-board graphics card dynamic frequency (max)	1150 MHz	Intel® Quick Sync Video Technology	✓
Maximum on-board graphics card memory	32 GB	Intel® My WiFi Technology (Intel® MWT)	✓
Number of displays supported (on-board graphics)	3	Intel® Identity Protection Technology (Intel® IPT)	✓
On-board graphics card DirectX version	12.0	Conflict-Free processor	✓
On-board graphics card OpenGL version	4.4	Certificates	
On-board graphics card ID	0x5917	Certification	BSMI/CB/CE/FCC/UL/Energy Star/RCM/VCCI
Network		Sustainability	
Ethernet LAN *	✓	Sustainability certificates	ENERGY STAR
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight & dimensions	
Wi-Fi *	✓	Width *	148.5 mm
Top Wi-Fi standard	Wi-Fi 5 (802.11ac)	Depth *	148.5 mm
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)	Height *	40 mm
Bluetooth	✓	Weight *	1 kg
Bluetooth version	4.2	Packaging content	
Ports & interfaces		VESA mount included	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	5	Display	
		Display included *	✗



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