

ASUS Chromebox CHROMEBOX3-N013U Intel® Core™ i5 i5-8250U 8 GB 64 GB ChromeOS Mini PC Black

Brand : ASUS

Product family: Chromebox

Product code: 90MS01B1-M00130

Product name :
CHROMEBOX3-N013U



- 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 i5-8250U (1.6GHz, 6M Cache), 8GB RAM, 64GB ROM, Intel UHD Graphics 620, WLAN 802.11, Ethernet, BT, ChromeOS

ASUS Chromebox CHROMEBOX3-N013U. Processor frequency: 1,6 GHz, Processor family: Intel® Core™ i5, Processor model: i5-8250U. Internal memory: 8 GB. Total storage capacity: 64 GB, Card reader integrated. On-board graphics card model: Intel® UHD Graphics 620. Wi-Fi. Operating system installed: ChromeOS. Chassis type: Mini PC. Product type: Mini PC. Weight: 1 kg. Product colour: Black

Processor		Design	
Processor manufacturer *	Intel	Chassis type *	Mini PC
Processor family *	Intel® Core™ i5	Product colour *	Black
Processor generation	8th gen Intel® Core™ i5	Performance	
Processor model *	i5-8250U	Product type *	Mini PC
Processor cores	4	Software	
Processor threads	8	Operating system installed *	ChromeOS
Processor boost frequency	3,4 GHz	Processor special features	
Processor frequency *	1,6 GHz	Intel 64	✓
Processor socket	BGA 1356	Enhanced Intel SpeedStep Technology	✓
Processor cache	6 MB	Embedded options available	✗
Processor cache type	Smart Cache	Intel® InTru™ 3D Technology	✓
System bus rate	4 GT/s	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Bus type	OPI	Intel Clear Video Technology	✓
Processor lithography	14 nm	Intel VT-x with Extended Page Tables (EPT)	✓
Processor operating modes	64-bit	Intel TSX-NI	✗
Processor codename	Kaby Lake R	Idle States	✓
Thermal Design Power (TDP)	15 W	Thermal Monitoring Technologies	✓
Configurable TDP-up frequency	1,8 GHz	Intel Stable Image Platform Program (SIPP)	✗
Configurable TDP-up	25 W	Intel® AES New Instructions (Intel® AES-NI)	✓
Configurable TDP-down	10 W	Intel® Secure Key	✓
Configurable TDP-down frequency	0,8 GHz	Intel® OS Guard	✓
Tjunction	100 °C	Intel Trusted Execution Technology	✗
PCI Express slots version	3.0	Execute Disable Bit	✓
Maximum number of PCI Express lanes	12	Intel Flex Memory Access	✓
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel Enhanced Halt State	✓
Number of processors installed	1	Intel Software Guard Extensions (Intel SGX)	✓
Stepping	Y0		
Maximum internal memory supported by processor	32 GB		
Memory types supported by processor	DDR4-SDRAM, LPDDR3-SDRAM		
Memory clock speeds supported by processor	2133,2400 MHz		
Memory bandwidth supported by processor (max)	34,1 GB/s		
ECC supported by processor	✗		

Memory		Processor special features	
Internal memory *	8 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Maximum internal memory *	16 GB	Processor package size	42 x 24 mm
Memory channels	Dual-channel	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Storage		Processor code	SR3LA
Total storage capacity *	64 GB	CPU configuration (max)	1
Optical drive type *	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Card reader integrated	✓	Intel Identity Protection Technology version	1,00
Graphics		Intel Stable Image Platform Program (SIPP) version	0,00
Discrete graphics card *	✗	Intel Secure Key Technology version	1,00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card model *	Not available	Intel Smart Response Technology version	1,00
On-board graphics card model *	Intel® UHD Graphics 620	Intel TSX-NI version	0,00
On-board graphics card base frequency	300 MHz	Processor ARK ID	124967
On-board graphics card dynamic frequency (max)	1100 MHz	Intel® Smart Response Technology	✓
Maximum on-board graphics card memory	32 GB	Intel® Turbo Boost Technology	2.0
Number of displays supported (on-board graphics)	3	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
On-board graphics card DirectX version	12.0	Intel® Quick Sync Video Technology	✓
On-board graphics card OpenGL version	4.4	Intel® My WiFi Technology (Intel® MWT)	✓
On-board graphics card ID	0x5917	Intel® Identity Protection Technology (Intel® IPT)	✓
Network		Conflict-Free processor	✓
Ethernet LAN *	✓	Certificates	
Ethernet LAN data rates	10,100,1000 Mbit/s	Certification	BSMI/CB/CE/FCC/UL/Energy Star/RCM/VCCI
Wi-Fi *	✓	Sustainability	
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Sustainability certificates	ENERGY STAR
Bluetooth	✓	Weight & dimensions	
Bluetooth version	4.2	Width *	148,5 mm
Ports & interfaces		Depth *	148,5 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	5	Height *	40 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Weight *	1 kg
DVI port	✗	Packaging content	
HDMI ports quantity *	1	VESA mount included	✓
Ethernet LAN (RJ-45) ports	1	Manual	✓
Microphone in	✗	AC adapter included	✓
Combo headphone/mic port	✓	Power cord included	✓
		Display	
		Display included *	✗



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