

ASUS Chromebox CHROMEBOX3-N7128U Intel® Core™ i7 i7-8550U 16 GB 128 GB SSD ChromeOS Mini PC Black

Brand : ASUS

Product family: Chromebox

Article code: 90MS01B1-M02730

Product name :

CHROMEBOX3-N7128U

- ChromeOS

- Intel Core i7-8550U (8MB Cache, 1.8GHz)

- 16GB & 128GB SSD

Intel Core i7-8550U (8MB Cache, 1.8GHz), 16GB, 128GB SSD, Intel UHD Graphics 620, LAN, WLAN, Bluetooth, ChromeOS

ASUS Chromebox CHROMEBOX3-N7128U. Processor frequency: 1.8 GHz, Processor family: Intel® Core™ i7, Processor model: i7-8550U. Internal memory: 16 GB. Total storage capacity: 128 GB, Storage media: SSD, 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: 2.2 lbs (1 kg). Product color: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	HDMI ports quantity *	1
Processor family *	Intel® Core™ i7	Ethernet LAN (RJ-45) ports	1
Processor generation	8th gen Intel® Core™ i7	Microphone in	✗
Processor model *	i7-8550U	Combo headphone/mic port	✓
Processor cores	4	Design	
Processor threads	8	Chassis type *	Mini PC
Processor boost frequency	4 GHz	Product color *	Black
Processor frequency *	1.8 GHz	Performance	
Processor socket	BGA 1356	Product type *	Mini PC
Processor cache	8 MB	Software	
System bus rate	4 GT/s	Operating system installed *	ChromeOS
Bus type	OPI	Processor special features	
Processor lithography	14 nm	Intel 64	✓
Processor operating modes	64-bit	Enhanced Intel SpeedStep Technology	✓
Processor codename	Kaby Lake R	Embedded options available	✗
Thermal Design Power (TDP)	15 W	Intel® InTru™ 3D Technology	✓
Configurable TDP-up frequency	2 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Configurable TDP-up	25 W	Intel Clear Video Technology	✓
Configurable TDP-down	10 W	Intel VT-x with Extended Page Tables (EPT)	✓
Configurable TDP-down frequency	0.8 GHz	Intel TSX-NI	✗
Tjunction	100 °C	Idle States	✓
PCI Express slots version	3.0	Thermal Monitoring Technologies	✓
Maximum number of PCI Express lanes	12	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel® Secure Key	✓
Stepping	Y0	Intel® OS Guard	✓
Maximum internal memory supported by processor	32 GB	Intel Trusted Execution Technology	✗
Memory types supported by processor	DDR4-SDRAM	Execute Disable Bit	✓
Memory clock speeds supported by processor	2133,2400 MHz	Intel Flex Memory Access	✓
Memory bandwidth supported by processor (max)	34.1 GB/s	Intel Enhanced Halt State	✓
Memory			
Internal memory *	16 GB		
Maximum internal memory *	16 GB		

Storage		Processor special features	
Total storage capacity *	128 GB	Intel Software Guard Extensions (Intel SGX)	✓
Storage media *	SSD	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Optical drive type *	✗	Processor package size	42 X 24 mm
Total SSDs capacity	128 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Number of SSDs installed	1	CPU configuration (max)	1
Card reader integrated	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Graphics		Intel Identity Protection Technology version	1.00
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 GPU manufacturer	Intel	Intel TSX-NI version	0.00
On-board graphics card model *	Intel® UHD Graphics 620	Processor ARK ID	122589
On-board graphics card base frequency	300 MHz	Intel® Smart Response Technology	✓
On-board graphics card dynamic frequency (max)	1150 MHz	Intel® Turbo Boost Technology	2.0
Maximum on-board graphics card memory	32 GB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Number of displays supported (on-board graphics)	3	Intel® Quick Sync Video Technology	✓
On-board graphics card DirectX version	12.0	Intel® My WiFi Technology (Intel® MWT)	✓
On-board graphics card OpenGL version	4.4	Intel® Identity Protection Technology (Intel® IPT)	✓
On-board graphics card ID	0x5917	Conflict-Free processor	✓
Network		Certificates	
Ethernet LAN *	✓	Certification	BSMI/CB/CE/FCC/UL/Energy Star/RCM/VCCI
Ethernet LAN data rates	10,100,1000 Mbit/s	Sustainability	
Wi-Fi *	✓	Sustainability certificates	ENERGY STAR
Top Wi-Fi standard	Wi-Fi 5 (802.11ac)	Weight & dimensions	
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)	Width *	5.85" (148.5 mm)
Bluetooth	✓	Depth *	5.85" (148.5 mm)
Ports & interfaces		Height *	1.57" (40 mm)
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	5	Weight *	2.2 lbs (1 kg)
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Display	
DVI port	✗	Display included *	✗



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