

## Intel DE3815TYKHE UCFF Black, Silver BGA 1170 E3815 1.46 GHz

**Brand :** Intel

**Product code:** BLKDE3815TYKH0E

**Product name :** DE3815TYKHE

NUC Kit DE3815TYKHE

Intel DE3815TYKHE. Chassis type: UCFF, Product type: Mini PC barebone. Processor socket: BGA 1170, BIOS type: EEPROM. Supported memory types: DDR3L-SDRAM, Number of memory slots: 1, Maximum internal memory: 8 GB. Supported storage drive types: HDD & SSD. Ethernet LAN (RJ-45) ports: 1. Cooling type: Active. Power supply: 36 W



Processor		Performance	
Built-in processor *	✓	Supported processor frequency (max)	1.46 GHz
Processor manufacturer	Intel	BIOS type	EEPROM
Processor family	Intel Atom®	BIOS memory size	64 Mbit
Processor model	E3815	Trusted Platform Module (TPM)	✓
Processor frequency	1.46 GHz	Trusted Platform Module (TPM) version	1.2
Processor cores	1	Compatible operating systems	Windows Linux
Processor threads	1	Operating system installed	✗
Processor lithography	22 nm	<b>Processor special features</b>	
L2 cache	0.5 MB	Intel® High Definition Audio (Intel® HD Audio)	✓
Thermal Design Power (TDP)	5 W	Embedded options available	✓
Processor codename	Bay Trail	Intel Dual Display Capable Technology	✗
CPU configuration (max)	1	Intel® Virtualization Technology (Intel® VT)	VT-x
<b>Memory</b>		Intel Rapid Storage Technology	✗
Memory slots type *	SO-DIMM	Intel® Anti-Theft Technology (Intel® AT)	✗
Number of memory slots *	1	Intel® AES New Instructions (Intel® AES-NI)	✓
Maximum internal memory	8 GB	Intel® Quick Sync Video Technology	✓
Supported memory clock speeds	1066,1333,1600 MHz	Intel® InTru™ 3D Technology	✗
Supported memory types	DDR3L-SDRAM	Intel® Insider™	✗
Memory channels	Single-channel		
Memory voltage	1.35 V		
ECC	✗		
<b>Storage</b>			
Supported storage drive types *	HDD & SSD		

<b>Storage</b>		<b>Processor special features</b>	
Storage drive sizes supported *	2.5"	Intel® Wireless Display (Intel® WiDi)	✗
Number of storage drives supported	1	Intel FDI Technology	✗
<b>Graphics</b>		Intel® Clear Video HD Technology (Intel® CVT HD)	✗
On-board graphics card *	✓	Intel® Turbo Boost Technology	✗
Graphics card family	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
On-board graphics card model	Intel® HD Graphics	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Number of displays supported	2	Intel VT-x with Extended Page Tables (EPT)	✓
<b>Network</b>		Intel 64	✓
Ethernet LAN *	✓	Intel® My WiFi Technology (Intel® MWT)	✗
Wi-Fi *	✓	Enhanced Intel SpeedStep Technology	✓
Networking features	Gigabit Ethernet	Intel Demand Based Switching	✗
<b>Ports &amp; interfaces</b>		Thermal Monitoring Technologies	✗
USB 2.0 ports quantity *	5	Intel Fast Memory Access	✗
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Intel Flex Memory Access	✗
HDMI ports quantity *	1	Intel Trusted Execution Technology	✗
HDMI version	1.4a	Execute Disable Bit	✓
VGA (D-Sub) ports quantity *	1	Intel Visual BIOS	✓
Combo headphone/mic port	✓	Intel Express BIOS update	✓
Ethernet LAN (RJ-45) ports *	1	Intel Clear Video Technology	✗
Serial ports quantity	2	Intel Virtualization Technology (VT-x)	✓
DC-in jack	✓	<b>Power</b>	
<b>Expansion slots</b>		Power supply type *	External AC adapter
PCI Express slots version	2.0	Power supply	36 W
Mini PCI Express slots	1	Number of power supply units	1
PCI Express configurations	1x1, 1x4, 2x1	AC adapter output voltage	12-19 V
<b>Design</b>		<b>Operational conditions</b>	
Chassis type *	UCFF	Operating temperature (T-T)	0 - 50 °C
Product colour *	Black, Silver	Storage temperature (T-T)	-20 - 70 °C
Cooling type *	Active	<b>Weight &amp; dimensions</b>	
On/off switch	✓	Width	190 mm
LED indicators	✓	Depth	116 mm
PC health monitoring	Temperature	Height	40 mm
Housing material	Plastic	<b>Packaging content</b>	
Cable lock slot	✓	Power cord included	✓
Cable lock slot type	Kensington	AC adapter included	✓
Panel mounting interface	75 x 75,100 x 100 mm	Quick start guide	✓
Product type *	Mini PC barebone	<b>Other features</b>	
ARK ID	78577	Power management	✓
Product family	Intel NUC	Number of SATA connectors	1
Product series	Intel NUC kit	Internal mass storage	4GB eMMC
Product codename	Thin Canyon	Processor ARK ID	78476
Safety	IEC 60950-1, UL 60950-1, EN 60950-1, CAN/CSA-C22.2 No. 60950-1		
Certification	CISPR 22, FCC CFR Title 47 I, Part 15 A/B, ICES-003, EN 55022, EN 55024, VCCI V-3, V-4, KN-22, KN-24, CNS 13438, WEEE, RoHS		
<b>Performance</b>			
Processor socket	BGA 1170		
Number of processors supported	1		
Compatible processor series	Intel Atom®		



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