

# Intel DE3815TYKHE (BLKDE3815TYKH0E)

NUC Kit DE3815TYKHE



## Price details:

Price excl. VAT: 87.48 €

Eco fees: 0.11 €

VAT 21 %: 18.39 €

## Product details:

Product code: BLKDE3815TYKH0E

EAN: 5032037059817

Manufacturer: Intel

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# 105.98 €

\* VAT included

The Intel® NUC Kit DE3815TYKHE, built with an Intel® Atom processor for intelligent systems, is a pint-sized powerhouse for value-conscious businesses and organizations. This low-cost, low-power solution introduces many firsts to the Intel NUC form-factor: fanless thermal solution for the ultimate silence and reliability, onboard flash storage for small-footprint software solutions, internal flat panel display connectivity for built-in screens, video graphics array (VGA) port for monitor compatibility in legacy installations, serial ports header for peripherals requiring the robustness of hardware handshaking, watchdog timer for resilient system availability, and also inter-integrated circuit (I<sup>2</sup>C) and pulse width modulation (PWM) signals for interfacing with sensors and other embedded devices enabling the Internet of Things. And with its three-year supply availability, the Intel NUC Kit DE3815TYKHE will be around to support long development and production ramp cycles.

With its vertical industrial design and support for Linux and Windows embedded operating systems, this Intel NUC was designed as the essential building block to power the thin-client market. A fanless kit with flash storage built in, and USB 3.0 and audio headset support, this Intel NUC fits right at home in schools, call centers, and other locations with a large installed base of VGA monitors.

Powered by the Intel® Atom processor E3815, the Intel NUC Kit DE3815TYKHE also provides an ideal combination of power consumption, performance, affordability, and software compatibility to drive light digital signage, point-of-sale, and kiosk solutions, amongst other usages. With 4 GB of embedded MultiMediaCard (eMMC) storage built in, many embedded applications will benefit from a lower overall system-level bill of materials (BOM) cost. Incidentally, high availability resilience can also be enabled for these and other unattended solutions via the built-in watchdog timer, providing priceless protection against costly and embarrassing downtimes. Last, but certainly not least, this Intel NUC provides a discrete trusted platform module device onboard for hardware-based data encryption—a must-have for applications where confidential information is at stake. Embedded possibilities are endless with the Intel NUC Kit DE3815TYKHE—just add RAM!

## Main specifications:

### Motherboard

Processor socket:	BGA 1170
Number of processors supported:	1
Compatible processor series:	Intel Atom
Supported processor frequency (max):	1.46 GHz

### Processor

Built-in processor:	Y
Processor family:	Intel Atom
Processor frequency:	1.46 GHz
Processor model:	E3815
Processor lithography:	22 nm
L2 cache:	0.5 MB
Processor cores:	1
Processor threads:	1

Thermal Design Power (TDP):	5 W
<b>Memory</b>	
Memory slots type:	SO-DIMM
Number of memory slots:	1
Maximum internal memory:	8 GB
Supported memory clock speeds:	1066,1333,1600 MHz
Supported memory types:	DDR3L-SDRAM
Memory channels:	Single
Memory voltage:	1.35 V
ECC:	N
<b>Storage</b>	
Supported storage drive types:	HDD,SSD
Storage drive sizes supported:	2.5 "
Number of storage drives supported:	1
<b>Graphics</b>	
On-board graphics adapter:	Y
Graphics adapter family:	Intel
Graphics adapter:	HD Graphics
<b>Audio</b>	
Intel® High Definition Audio (Intel® HD Audio):	Y
<b>Networking</b>	
Ethernet LAN:	Y
Wi-Fi:	Y
Networking features:	Gigabit Ethernet
<b>Ports &amp; interfaces</b>	
USB 2.0 ports quantity:	5
USB 3.0 (3.1 Gen 1) Type-A ports quantity:	1
HDMI ports quantity:	1
VGA (D-Sub) ports quantity:	1
HDMI version:	1.4a
Ethernet LAN (RJ-45) ports:	1
Serial ports quantity:	2
DC-in jack:	Y
Combo headphone/mic port:	Y
<b>Expansion slots</b>	
PCI Express slots version:	2.0
Mini PCI Express slots:	1
<b>Design</b>	
Chassis type:	UCFF
Colour of product:	Black,Silver
Product type:	Mini PC (
Cooling type:	Active
VESA mounting interfaces:	75 x 75,100 x 100 mm
LED indicators:	Y
On/off switch:	Y
Cable lock slot:	Y
Cable lock slot type:	Kensington
Housing material:	Plastic
Product family:	Intel NUC
Product series:	Intel NUC kit
Product codename:	Thin Canyon
<b>Performance</b>	
BIOS type:	EEPROM
BIOS memory size:	64 MB
Trusted Platform Module (TPM):	Y
Trusted Platform Module (TPM) version:	1.2
Number of displays supported:	2
Intel Visual BIOS:	Y
Intel Express BIOS update:	Y
Power management:	Y
PC health monitoring:	Temperature
<b>Software</b>	

Compatible operating systems:	WindowsLinux
Operating system installed:	N
<b>Processor special features</b>	
Embedded options available:	Y
Intel Dual Display Capable Technology:	N
Intel® Virtualization Technology (Intel® VT):	VT-x
Intel Rapid Storage Technology:	N
Intel® Anti-Theft Technology (Intel® AT):	N
Intel® vPro® Technology:	N
Intel® AES New Instructions (Intel® AES-NI):	Y
Intel® Quick Sync Video Technology:	Y
Intel® InTru® 3D Technology:	N
Intel® Insider®:	N
Intel® Wireless Display (Intel® WiDi):	N
Intel FDI Technology:	N
Intel® Clear Video HD Technology (Intel® CVT™ HD):	N
Intel® Turbo Boost Technology:	N
Intel® Hyper Threading Technology (Intel® HT™ Technology):	N
Intel Virtualization Technology for Directed I/O (VT-d):	N
Intel VT-x with Extended Page Tables (EPT):	Y
Intel 64:	Y
Intel® My WiFi Technology (Intel® MWT):	N
Enhanced Intel SpeedStep Technology:	Y
Intel Demand Based Switching:	N
Thermal Monitoring Technologies:	N
Intel Fast Memory Access:	N
Intel Flex Memory Access:	N
Intel Trusted Execution Technology:	N
Execute Disable Bit:	Y
Intel Clear Video Technology:	N
<b>Power</b>	
Power supply type:	External AC adapter
Power supply:	36 W
Number of power supply units:	1
AC adapter output voltage:	12-19 V
<b>Operational conditions</b>	
Operating temperature (T-T):	0 - 50 °C
Storage temperature (T-T):	-20 - 70 °C
<b>Certificates</b>	
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
Safety:	IEC 60950-1, UL 60950-1, EN 60950-1, CAN/CSA-C22.2 No. 60950-1
<b>Weight &amp; dimensions</b>	
Width:	190 mm
Depth:	116 mm
Height:	40 mm
<b>Packaging content</b>	
Quick start guide:	Y
AC adapter included:	Y
Power cord included:	Y
<b>Technical details</b>	
ARK ID:	78577
<b>Other features</b>	
Number of SATA connectors:	1
Internal mass storage:	4GB eMMC

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