



999.00 EUR

incl. 19% VAT, plus [shipping](#)

- Intel Atom NUC !
- 4GB eMMC Storage !
- Fanless !
- HDMI + VGA !

**Support:**  [Specifications](#) |  [eMMC Storage Installation \[EN\]](#)

Because of its size (190 x 116 x 40mm !) the system is perfect for these applications :

- POS
- Digital Signage
- Kiosk

Or use as attractive office-computer or server.

For a full PC you need in addition :

- SO-DDR-III RAM (Low Voltage, 1.35V)
- Optionally 1x 2.5" HDD/SSD (system comes with integrated 4GB eMMC storage, useable with Win8 and Linux)

**Features :**

- Fanless !
- CPU: Intel Atom Prozessor E3815, 1x 1.46GHz, 512kb Cache, 5W TDP
- RAM: 1x DDR3L SO-DIMM (dual PC3L-8500S DDR3)

- 1x PCIe Mini Card (half-size)
- Intel HD Graphics (IGP)
- 1x HDMI 1.4a, 1x DSUB-15 VGA
- 1x USB 3.0, 2x USB 2.0, 1x Gb LAN, 1x SATA, 1x Klinke Audio
- Dimensions (BxHxT): 190 x 116 x 40mm
- Pre-assembled WLAN antennas (you only need a Mini-PCIe WLAN card in addition)
- Trusted Platform Module (TPM 1.2)
- Watchdog timer
- OS Support : Windows 7/8, Linux
- Kensington lock support

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 (I2C) 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 USB3 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 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!

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Dimensions / Weight | 190 x 116 x 40 mm                                                                                            |
|                     | Intel Atom E3815 (Integrated)                                                                                |
| CPU                 | 1.46Ghz, Single Core, 512kb Cache                                                                            |
|                     | Supports Intel 64 architecture                                                                               |
|                     | Supports Intel Virtualization Technology (VT-x)                                                              |
| RAM                 | 1x SO-DDR-3 RAM (up to 8GB 1333/1600Mhz, 1.35V)                                                              |
| Audio               | Intel® High Definition Audio (Intel HD Audio) via HDMI 1.4a outputs supporting 8 channel (7.1) digital audio |
|                     | Intel HD Graphics                                                                                            |
| Graphics            | HDMI 1.4a port                                                                                               |
|                     | DSUB-15 VGA port                                                                                             |
| Expansion           | - 1x Mini-PCIe                                                                                               |
| OS Support          | Windows 7, Windows 8, Linux                                                                                  |
| Front I/O           | 1 x USB3.0                                                                                                   |
| Drive bays          | 1 x 2.5" HDD/SSD (SATA)                                                                                      |
| Storage             | 4GB eMMC (Integrated)                                                                                        |

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|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Misc            | <ul style="list-style-type: none"><li>- TPM v1.2</li><li>- Fanless</li><li>- 2x RS232 ports (internal)</li><li>- Watchdog timer</li><li>- One Custom Solutions header (DMIC, AppLaunch GPIO, HDMI_CEC, SMBus, I2C[0:1], PWM[0:1] w/5V buffers, 1.8/3.3/5 Vstby)</li><li>- Wireless antennas pre-assembled</li></ul> |
| Rear I/O        | <ul style="list-style-type: none"><li>1 x DC JACK for DC12-19V single power input</li><li>1x HDMI 1.4a</li><li>1 x RJ-45 GbE port</li><li>2 x USB 2.0</li><li>1x Audio jack</li><li>1x Kensington Lock hole</li></ul>                                                                                               |
| Scope of supply | <ul style="list-style-type: none"><li>- Intel DE3815TYKHE Barebone with VESA mounting-unit</li><li>- AC/DC Adapter (12V, 36W) Multi-Country plugs</li></ul>                                                                                                                                                         |