

Intel BLKD33217GKE

Intel D332 Desktop Motherboard BLKD33217GKE User Manual

Model: BLKD33217GKE | Brand: Intel

INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your Intel D332 Desktop Motherboard BLKD33217GKE. Please read this manual thoroughly before installation and use to ensure proper functionality and longevity of your product.

The Intel D33217GKE is a compact Next Unit of Computing (NUC) board, designed to deliver robust performance in a small form factor. It is powered by a 3rd generation Intel Core i3-3217U processor, making it suitable for various computing tasks.

PRODUCT OVERVIEW

adapter to the DC-in jack on the board.

3. Enclosure Installation

Mount the motherboard securely within a compatible NUC enclosure. Ensure proper airflow for cooling. Connect any front panel headers (power button, USB, audio) from the enclosure to the corresponding pins on the motherboard.

4. Peripheral Connections

1. **Display:** Connect your monitor(s) to the HDMI ports. The board supports dual display output.
2. **USB Devices:** Connect your keyboard, mouse, and other USB peripherals to the available USB ports.
3. **Network:** Connect an Ethernet cable to the Gigabit Ethernet port for wired network access.

OPERATING INSTRUCTIONS

1. Power On

After all connections are secure, connect the power adapter to an electrical outlet. Press the power button on your enclosure to start the system.

2. BIOS/UEFI Configuration

Upon initial boot, you may need to enter the BIOS/UEFI setup to configure boot order, system time, and other settings. Typically, this is done by pressing **Del** or **F2** during startup.

3. Operating System Installation

Install your preferred operating system (e.g., Windows, Linux) from a USB drive or network source. Ensure all necessary drivers are installed for optimal performance of the motherboard's components.

4. System Shutdown

Always shut down the operating system properly before disconnecting power or turning off the system. This prevents data corruption and ensures system stability.

MAINTENANCE

1. Dust Removal

Regularly clean dust from the motherboard and cooling fan using compressed air. Accumulation of dust can impede airflow and lead to overheating.

2. Software Updates

Keep your operating system, drivers, and BIOS/UEFI firmware updated. Check the official Intel support website for the latest updates specific to the BLKD33217GKE model.

3. Environmental Conditions

Operate the motherboard within recommended temperature and humidity ranges. Avoid exposing the device to extreme temperatures, direct sunlight, or high moisture environments.

TROUBLESHOOTING

1. No Power

- Ensure the external 19V DC power adapter is correctly connected to the board and a working power outlet.
- Verify that the power button cable from the enclosure is properly connected to the motherboard's front panel header.

2. No Display Output

- Check that the HDMI cable is securely connected to both the motherboard and the monitor.
- Ensure the monitor is powered on and set to the correct input source.
- Reseat the RAM modules. Faulty or improperly seated RAM can prevent the system from booting and displaying video.

3. System Instability/Crashes

- Check for overheating. Ensure the cooling fan is clean and functioning.
- Run memory diagnostic tools to check for RAM errors.
- Update BIOS/UEFI firmware and drivers to the latest versions.

4. Peripheral Not Detected

- Ensure the peripheral is properly connected to the correct port (USB, Ethernet).
- Install or update the necessary drivers for the peripheral and the motherboard's chipset.
- Test the peripheral on another system or try a different port on the motherboard.

SPECIFICATIONS

Feature	Detail
Brand	Intel
Model Number	BLKD33217GKE
Processor	3rd Generation Intel Core i3-3217U
CPU Socket	LGA 1155
Chipset Type	Intel
RAM Memory Technology	DDR3 SDRAM
Memory Slots	2 x SO-DIMM
Max Memory Capacity	16 GB
Memory Speed	1.9 GHz
Graphics Output	Dual HDMI
USB Ports	3 x USB 2.0
Network	Intel Gigabit Ethernet
Expansion Slots	2 x mini-PCIe (full-length and half-length)
Dimensions (LxWxH)	4.7 x 4.2 x 0.9 inches
Item Weight	6.4 ounces
Power Requirement	19V DC (external adapter, not included)

Feature	Detail
Compatible Devices	Personal Computer
Platform	Linux
Date First Available	November 7, 2012

WARRANTY AND SUPPORT

Warranty Information

For detailed warranty terms and conditions, please refer to the official Intel warranty documentation included with your product or visit the Intel support website. Warranty coverage typically includes defects in materials and workmanship under normal use.



Technical Support





If you encounter issues that cannot be resolved using the troubleshooting guide, please contact Intel technical support. You can find contact information and additional resources on the official Intel support website:

[Intel Support Website](#)

When contacting support, please have your product model number (BLKD33217GKE) and serial number ready.

Related Documents - BLKD33217GKE

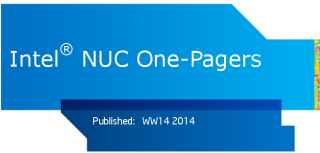
 Intel® Desktop Board DP67DE Product Guide <small>Intel® Desktop Board DP67DE</small>	Intel® Desktop Board DP67DE Product Guide Features, Installation, and Specifications Comprehensive product guide for the Intel® Desktop Board DP67DE. Learn about its features, installation procedures for components like processors and memory, BIOS updates, and regulatory compliance information.
 Intel® Desktop Board DG41TY Product Guide <small>Intel® Desktop Board DG41TY</small>	Intel DG41TY Desktop Board Product Guide Comprehensive product guide for the Intel DG41TY Desktop Board, detailing features, installation, BIOS updates, and regulatory compliance. Covers chipset, memory, graphics, connectivity, and technical specifications for PC builders and enthusiasts.

 Intel® Desktop Board D946GZAB Product Guide <small>Intel, the Intel logo, and other marks are trademarks of Intel Corporation or its subsidiaries in the United States and other countries. © 2012 Intel Corporation. All rights reserved.</small>	Intel® Desktop Board D946GZAB Product Guide Comprehensive product guide for the Intel® Desktop Board D946GZAB, detailing features, installation, BIOS updates, and regulatory compliance for PC builders and technicians.
 Intel® Desktop Processor Warranty FAQ: Eligibility, Exchange, and Troubleshooting <small>Intel, the Intel logo, and other marks are trademarks of Intel Corporation or its subsidiaries in the United States and other countries. © 2012 Intel Corporation. All rights reserved.</small>	Intel Desktop Processor Warranty FAQ: Eligibility, Exchange, and Troubleshooting Comprehensive FAQ guide on Intel desktop processor warranties. Covers eligibility for boxed vs. OEM processors, warranty exchange procedures, troubleshooting steps, and identification of engineering samples. Get answers to common warranty questions for Intel CPUs.
 Intel® Desktop Board DH87MC Technical Product Specification <small>Intel, the Intel logo, and other marks are trademarks of Intel Corporation or its subsidiaries in the United States and other countries. © 2012 Intel Corporation. All rights reserved.</small>	Intel® Desktop Board DH87MC Technical Product Specification Detailed technical specifications for the Intel® Desktop Board DH87MC, covering hardware, BIOS features, and regulatory information.
 Z83-V Mini PC Dual Processor Display Efficient Intel Atom Mini PC <small>Intel, the Intel logo, and other marks are trademarks of Intel Corporation or its subsidiaries in the United States and other countries. © 2012 Intel Corporation. All rights reserved.</small>	Z83-V Mini PC: Specifications and Features Intel Atom Processor Detailed specifications and features of the Z83-V Mini PC, powered by an Intel Atom x5-Z8350 processor. Includes system configuration, performance metrics, ports, power management, and environmental details.

Documents - Intel – BLKD33217GKE



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Next Unit of Computing Product Guide 1 TOPICS 2 3 What is Next Unit of Computing Intel s Next ... Memory Graphics Expandability Connectivity Form Factor Software Support Optional Product Lifecycle **BLKD33217GKE** MM# 924221 BOXDC3217IYE MM# 924222 BLKD33217CK MM# 923298 BOXDC3217BY MM# 923299 In...
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[\[pdf\]](#) Specifications Dimension Guide Guide Borchure
Intel® NUC Specs Guide specs Intel Corporation One Pagers images10 newegg Kit D54250WYK Processor 4th Generation ® Core™ i5 4250U 1 3GHz up to 2 6GHz Turbo Dual Core 3MB Cache 15W TDP Memory channel DDR3L SODIMMs 35V 1333 1600 MHz 16GB maximum Manufacturer Brochure 56 102 061 |||
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Intel® NUC Specs Guide Intel Corporation One Pagers OS Windows 7 8 1 logo d Linux compatibility
VESA mount bracket and mounting hole support Low acoustics active cooling design Kensington lock
Integration 12 19V DC Power Input sensing circuit for protection against over power shutdowns 3 year
Advanced Warranty Replacement 2x USB 0 ports on the front panel 1x charging capable Internal 2 via
header Consumer Infrared sensor Storage General Availability in WW10 Target markets Immersive
gaming Content creation Home theater office A revolution ultra compact this packs Kit NUC5i5RYH Rock
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around Aluminum Plastic Dimensions 115mm x 111mm 48 7mm Adapter 65W wall AC adapter Multi
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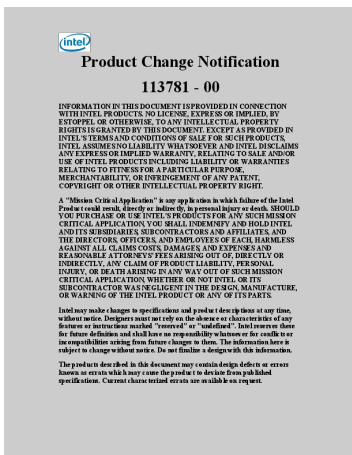
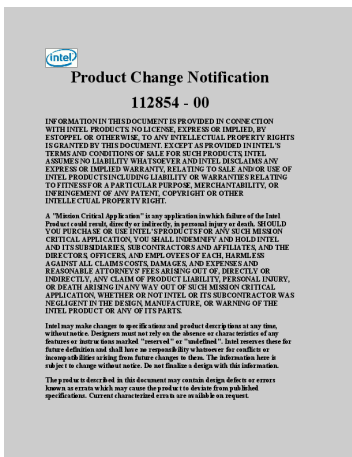
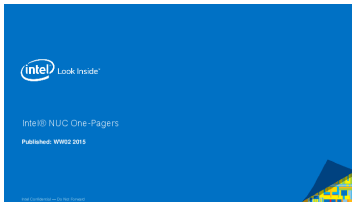
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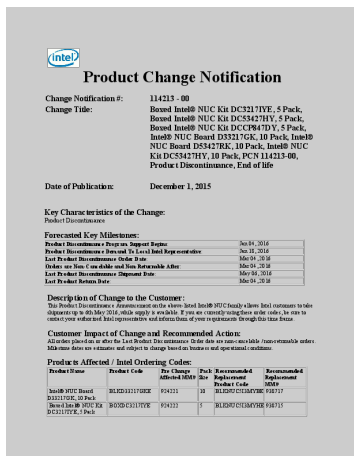
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Intel Non-CPU Component Products IEEE 1680-2009 EPEAT Declaration Supplier
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D33217GKE, proprietary/uSFF Ship Release Date Comments Ww43.4 WW39.5 The...
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Intel Non-CPU Component Products IEEE 1680-2009 (EPEAT) Declaration

Supplier Information

Company Name

Response Document ID

Company Unique ID

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Response Date

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2016-08-08

Contact Title

Contact Name

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Product Information

Product Name

Prod Item Code

Prod Item Description

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Comments

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The following tables were filled out using the directions below:

Column	Directions
Yes	Indicates conformance with the requirements of this criterion.
No	Indicates non-conformance with the requirements of this criterion.
N/A	Not Applicable - Indicates the criterion has been reviewed and is not applicable to the item submitted. When a criterion has been marked N/A the basis for this decision must be provided. This is done by declaring the characteristic of the component that indicates why the criterion does not apply.
NE	Not Evaluated - Indicates the criterion has not been examined and therefore must be examined in the final system level test report. Any criterion not completed must be marked with a NE.

Template Revision March 2017

Compliance to IEEE Std 1680.2-2009

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[pdf] Declaration of Conformity Test Report

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Intel® NUC Board
D33217GKE
Technical Product Specification

March 2014

Doc Number: 321680-006

The Intel® NUC Board D33217GKE is a single-board computer that is designed to be used in a variety of applications. It is a high-performance, low-power, and highly integrated system that is designed to be used in a variety of applications. It is a high-performance, low-power, and highly integrated system that is designed to be used in a variety of applications.

[pdf] Specifications Datasheet Warranty

Intel® NUC Board D33217GKE Technical Product Specification Name TPS Intel Corporation

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