GEEKOM A5

GEEKOM A5 Mini PC User Manual

Model: A5

GEEKOM

INTRODUCTION

The GEEKOM A5 Mini PC is a compact yet powerful computing solution designed for a wide range of applications, from daily productivity and multitasking to casual gaming and multimedia consumption. It features an AMD Ryzen 7 5825U processor, integrated Vega 8 Graphics, ample memory, and fast storage, all within a durable and space-saving design.

Image: The GEEKOM A5 Mini PC, a compact and powerful computing device.

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your GEEKOM A5 Mini PC to ensure optimal performance and longevity.

SETUP GUIDE

1. Package Contents

Before you begin, ensure all items are present in the package:

- GEEKOM A5 Mini PC
- User Guide
- VESA Mount
- HDMI Cable
- Power Adapter

Contenuto della confezione

GEEKOM A5

Guida utente

Supporto VESA

Cavo HDMI

Adattatore di alimentazione
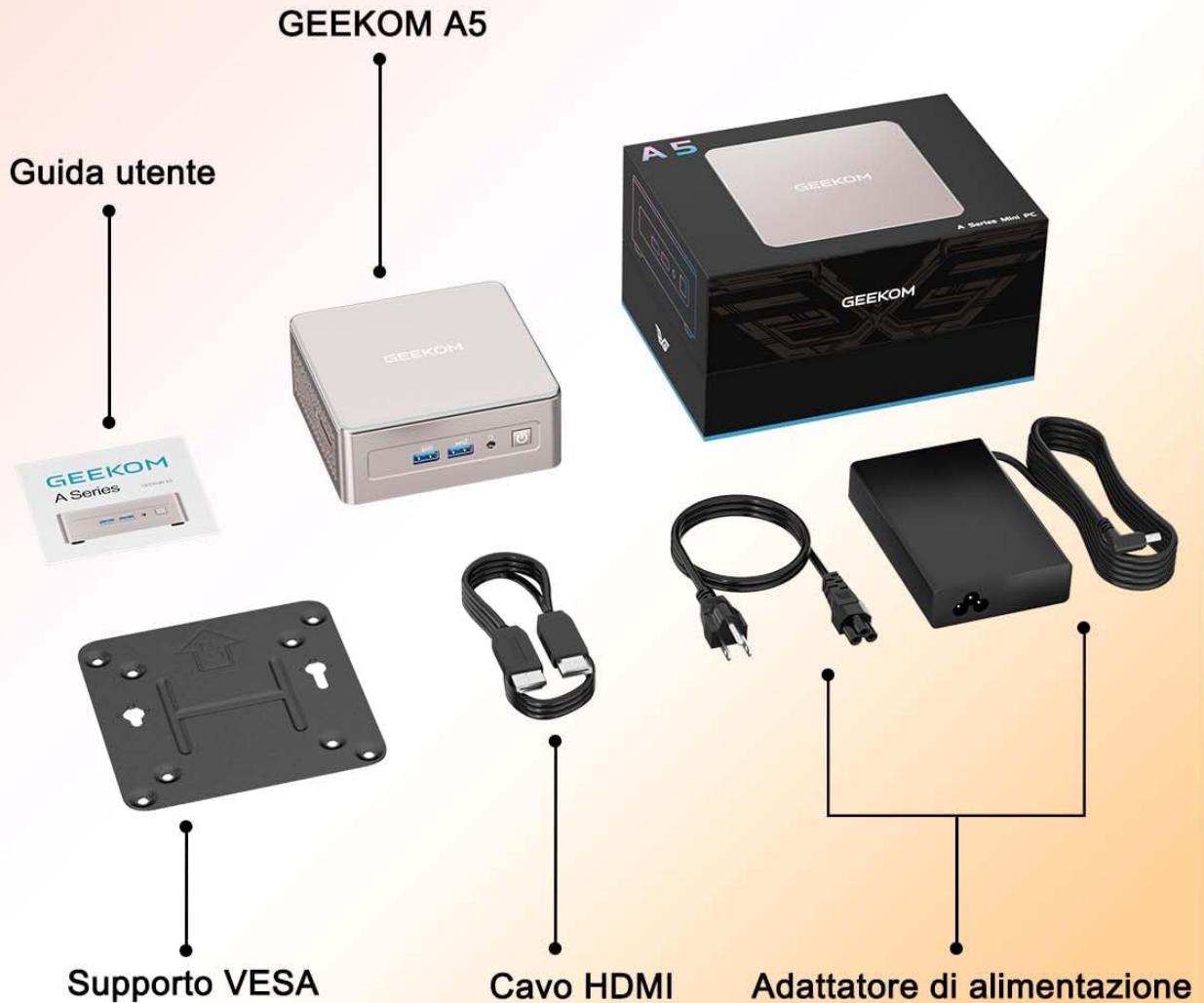
Image: All components included in the GEEKOM A5 Mini PC package, including the Mini PC, user guide, VESA mount, HDMI cable, and power adapter.

2. Connecting Peripherals

Connect your monitor, keyboard, and mouse to the Mini PC using the available ports. The GEEKOM A5 offers a variety of connectivity options:

- **USB 3.2 Gen 2 Type-C Ports (x2):** For high-speed data transfer and display output (up to 8K).
- **HDMI 2.0 Ports (x2):** For display output (up to 4K@60Hz).
- **USB 3.2 Gen 2 Type-A Ports (x3):** For connecting various USB devices.

- **USB 2.0 Type-A Ports (x2):** For connecting various USB devices.
- **2.5G RJ45 LAN Port:** For wired network connection.
- **3.5mm Headphone Jack:** For audio output.
- **SD Card Reader:** For reading SD memory cards.
- **Kensington Lock Slot:** For security.
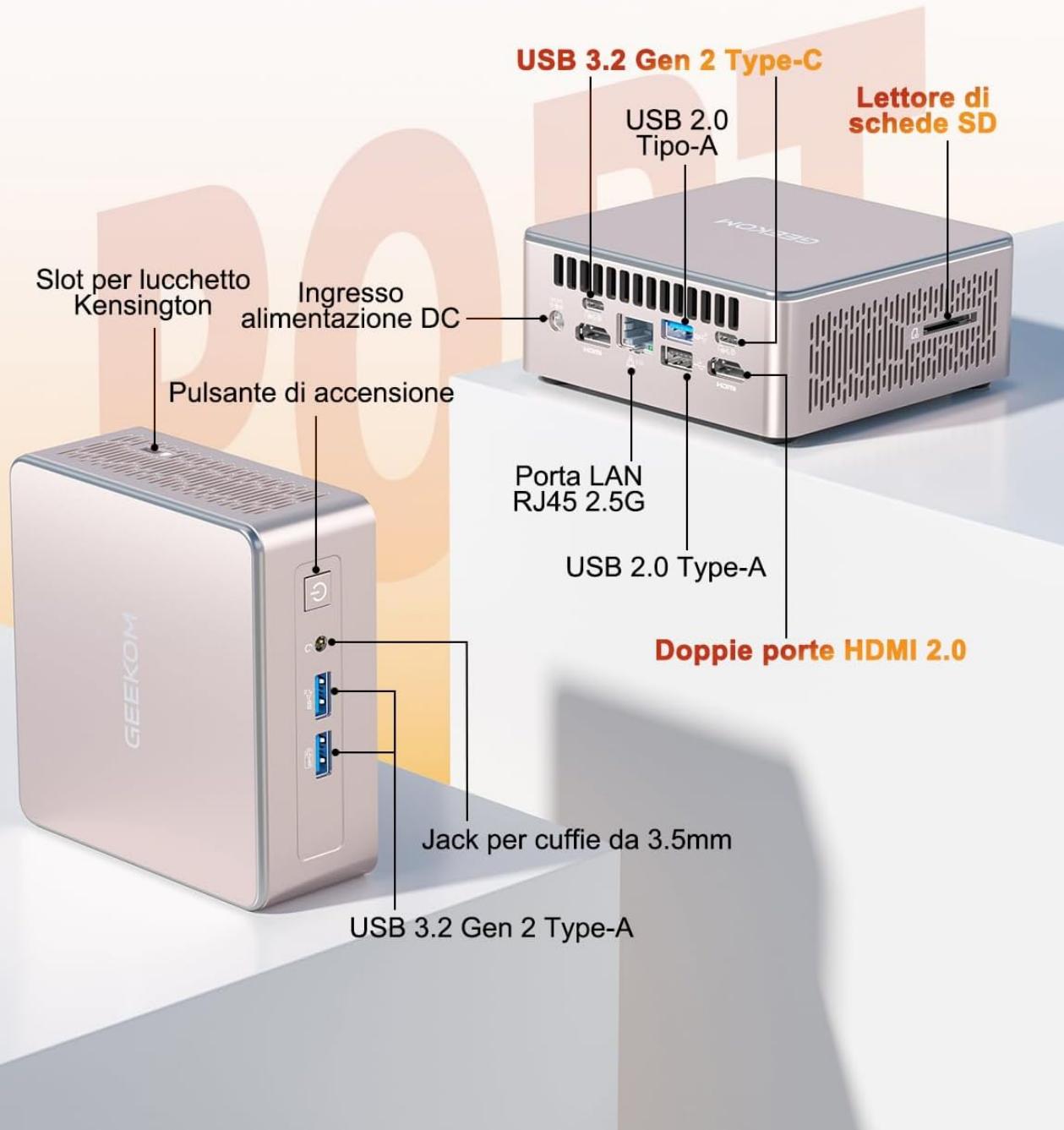
Image: Detailed diagram showing the various input/output ports on the GEEKOM A5 Mini PC, including USB, HDMI, LAN, and audio jacks.

3. Powering On

After connecting all necessary peripherals, plug the power adapter into the DC input port on the Mini PC, then connect it to a power outlet. Press the power button located on the front of the device to turn it on.

The GEEKOM A5 comes with Windows 11 Pro pre-installed, offering a ready-to-use experience. It also supports dual-boot configurations and simplified installation of Linux/Ubuntu distributions.

Windows 11 Pro Preinstallato

Sistema preconfigurato con Windows 11 Pro, compatibile con dual–boot e installazione semplificata di distribuzioni Linux/Ubuntu.

Image: The GEEKOM A5 Mini PC displaying the Windows 11 Pro logo, indicating its pre-installed operating system, with icons for Ubuntu and Linux also shown, highlighting multi-OS compatibility.

OPERATING INSTRUCTIONS

1. Basic Operation

To turn on the Mini PC, press the power button. To turn it off, use the shutdown option within the operating system. For a forced shutdown, press and hold the power button for several seconds. It is recommended to always shut down the system properly to prevent data loss.

2. Network and Connectivity

The GEEKOM A5 supports advanced wireless and wired connectivity:

- **Wi-Fi 6:** Provides faster wireless speeds (up to 2.4Gbps) and improved performance in crowded network environments.
- **Bluetooth 5.2:** Offers faster connection speeds and lower latency for connecting wireless peripherals like headphones, keyboards, and mice.
- **2.5G LAN:** For a stable and high-speed wired internet connection, ideal for gaming and large file transfers.

The 360-degree Wi-Fi coverage and 3D stereo antenna ensure an ultra-stable connection without electromagnetic interference.

Image: The GEEKOM A5 Mini PC surrounded by wireless devices, illustrating its support for Bluetooth 5.2 and Wi-Fi 6, with a diagram highlighting its 3D stereo antenna for stable network experience.

3. Display Configuration

The Mini PC supports up to four displays simultaneously, making it suitable for complex multitasking environments. It can output up to 4K resolution via HDMI 2.0 ports and an impressive 8K resolution via the USB 3.2 Gen 2 Type-C ports.

Image: A GEEKOM A5 Mini PC connected to multiple monitors, demonstrating its capability for quad display output up to 8K resolution via USB-C and 4K via HDMI, suitable for design, gaming, video, and work.

MAINTENANCE

1. Storage and Memory Expansion

The GEEKOM A5 offers flexible expansion options to meet your growing needs:

- **RAM:** 16GB DDR4 3200MT/s SODIMM, expandable up to 64GB.
- **Primary SSD:** 1TB M.2 2280 PCIe Gen4x4 SSD, expandable up to 2TB.
- **Secondary SSD:** One M.2 2242 SATAIII SSD slot, expandable up to 1TB.
- **HDD:** One 2.5" 7mm SATA HDD slot, expandable up to 2TB.
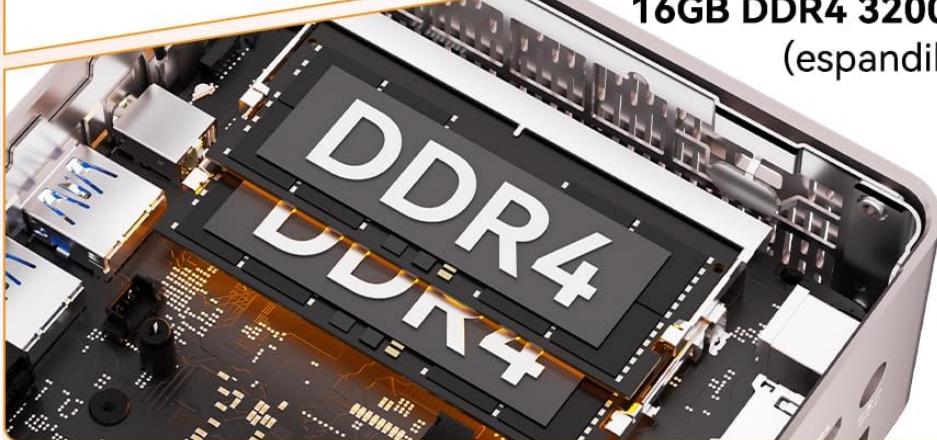
These options allow for significant upgrades to both speed and storage capacity.
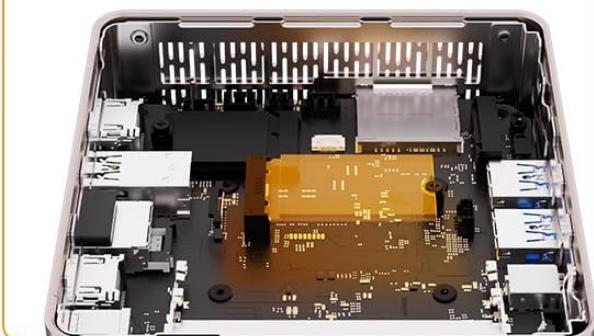
Image: Internal view of the GEEKOM A5 Mini PC showing the slots for M.2 PCIe SSD, DDR4 RAM, M.2 SATA SSD, and a 2.5-inch SATA HDD, illustrating its extensive expansion capabilities.

2. Cooling System

The Mini PC features the IceBlast 2.0 efficient cooling system. This design includes larger fans and an all-copper heat sink to effectively reduce internal temperatures and maintain high PC performance, even under load.

IceBlast 2.0 – Raffreddamento Efficiente

Design di aspirazione/scarico più razionale, ventole più grandi, dissipatore di calore completamente in rame per ridurre efficacemente le temperature interne e mantenere elevate le prestazioni del PC.

Ventole più grandi
2 volte più grandi rispetto alle altre ventole

Doppi tubi di rame
Trasferimento di calore del 210% ↑

Dissipatore di calore interamente in rame
Efficienza di raffreddamento del 52%
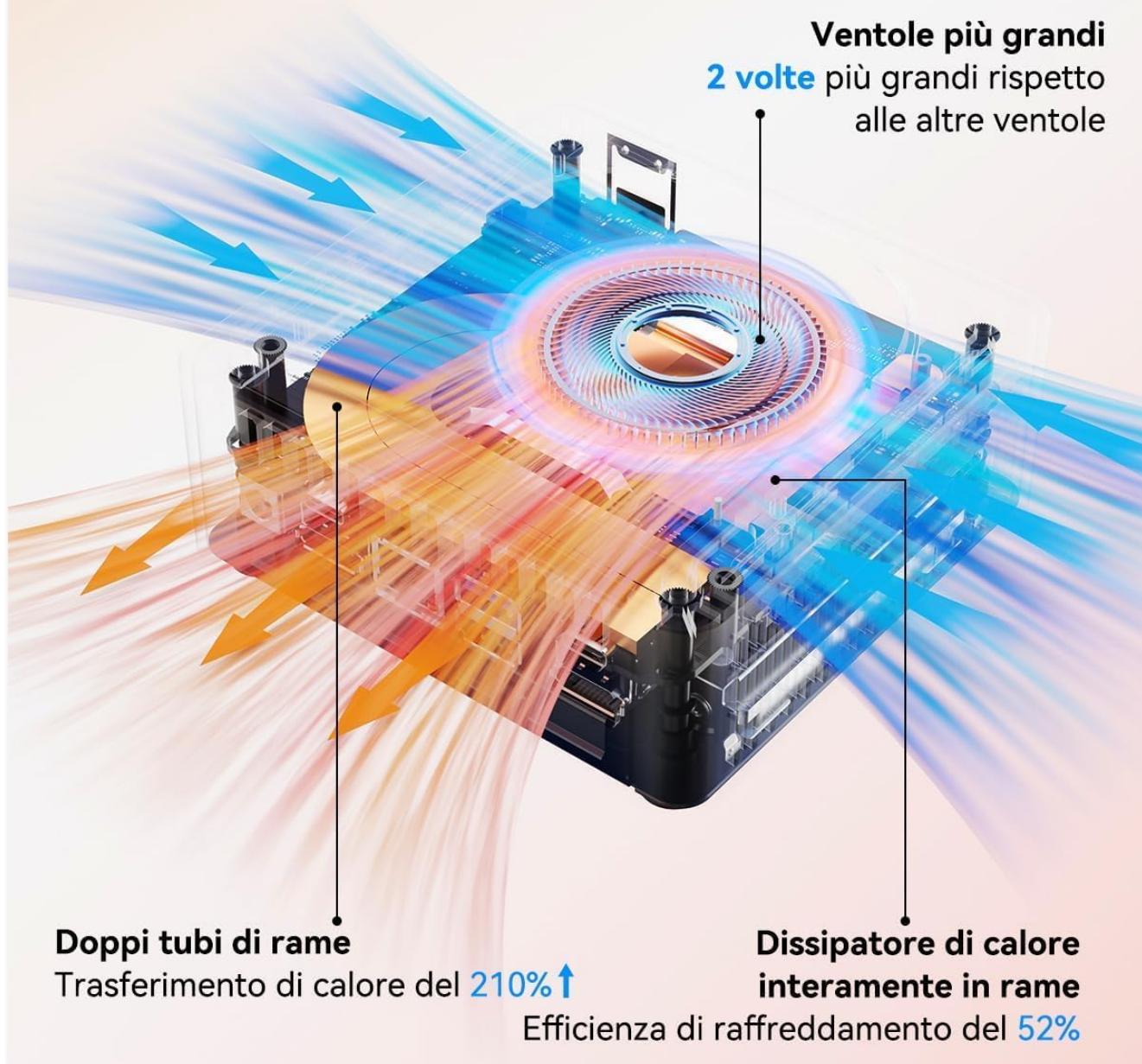
Image: Diagram illustrating the IceBlast 2.0 cooling system of the GEEKOM A5, highlighting larger fans, dual copper heat pipes, and an all-copper heat sink for efficient heat dissipation.

3. General Cleaning

To ensure optimal performance and longevity, regularly clean the exterior of the Mini PC with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials. Ensure ventilation openings are clear of dust and debris.

TROUBLESHOOTING

This section addresses common issues you might encounter with your GEEKOM A5 Mini PC. For more complex problems, please refer to the support section.

No Power / System Not Starting

- Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
- Verify the power outlet is functional by plugging in another device.
- Try a different power outlet if available.

No Display Output

- Check that the HDMI or USB-C cable is securely connected to both the Mini PC and the monitor.
- Ensure the monitor is powered on and set to the correct input source.
- Try a different display cable or monitor if possible.

Network Connectivity Issues

- For Wi-Fi, ensure the Wi-Fi adapter is enabled in Windows settings and you are connected to the correct network.
- For wired LAN, ensure the Ethernet cable is securely connected to both the Mini PC and your router/modem.
- Restart your router/modem.

SPECIFICATIONS

Feature	Detail
Brand	GEEKOM
Model	A5
Processor	AMD Ryzen 7 5825U (8 Cores, 16 Threads, up to 4.5 GHz)
Graphics	AMD Radeon Vega 8 Graphics (1900 MHz)
RAM	16GB DDR4 (expandable to 64GB)
Storage	1TB PCIe 4x4 SSD (expandable to 2TB), M.2 2242 SATA SSD slot (up to 1TB), 2.5" SATA HDD slot (up to 2TB)
Operating System	Windows 11 Pro
Connectivity	Wi-Fi 6, Bluetooth 5.2, 2.5G LAN

Feature	Detail
Ports	2x USB 3.2 Gen 2 Type-C, 2x HDMI 2.0, 3x USB 3.2 Gen 2 Type-A, 2x USB 2.0 Type-A, 1x 2.5G RJ45 LAN, 1x 3.5mm Headphone Jack, 1x SD Card Reader
Dimensions	11.7 x 11.2 x 4.92 cm
Weight	500 g

WARRANTY AND SUPPORT

GEEKOM offers comprehensive support for your A5 Mini PC:

- **3-Year Warranty:** Includes 1 year of free replacement and 2 years of free repairs.
- **Online Support:** 24-hour customer service available.

Image: A graphic illustrating GEEKOM's global customer support presence, highlighting 3-year warranty and online assistance.

Contacting Support

For assistance, you can:

- **Contact the seller on Amazon:** Access your Amazon account, find your order, click "Get help," and request product assistance.
- **Send an email to the support team:** pan.he@geekom.tw

Image: A visual representation of GEEKOM's warranty and support options, including contact methods.