Broadleaf Mini

Product Overview

veryPC

Introducing Broadleaf Mini

Our first step towards a greener product lifecycle

The Broadleaf Mini offers excellent desktop performance with significant energy savings. Designed in partnership with Intel and our manufacturing partners JWIPC in a joint effort to reduce environmental impact through design, manufacturing, and use. Boost your ESG goals without compromising on performance and security.
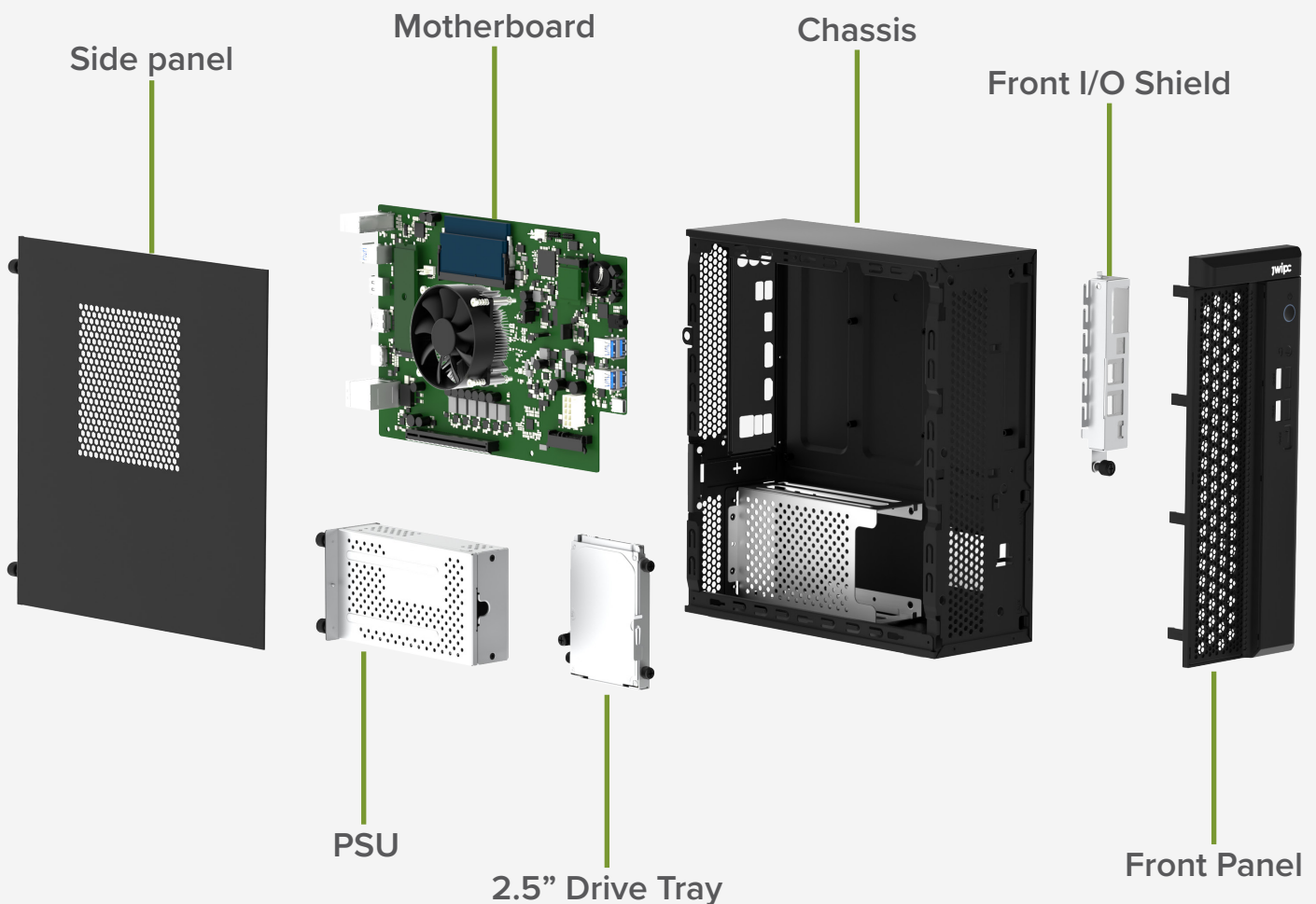
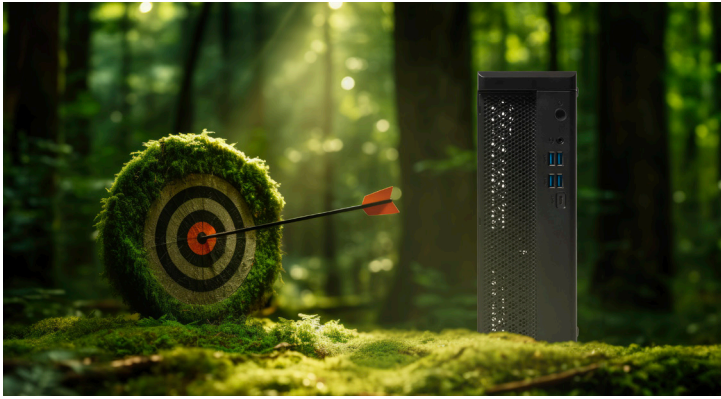**35% less power draw***

Leading sustainability

Modern security

Modular Design

The Broadleaf Mini uses a simple modular design, making it easy to assemble, service, replace parts, disassemble and separate.

Side panel

Motherboard

Chassis

Front I/O Shield

PSU

2.5" Drive Tray

Front Panel

*than a typical desktop computer

Kickstart your ESG goals

Broadleaf Mini has a truly unique chassis made from **30% recycled plastics**, and uses a **modular design** for easy assembly, disassembly, and servicing. All contributing to a lower carbon footprint across the product's lifecycle whilst supporting **easy recycling**.

Packaged with 95% recycled materials and printed with **non-toxic water-based ink**, the Broadleaf Mini reduces environmental impact even further.

Save on energy costs

The Broadleaf Mini combines a **special low power 12th gen Core i5** CPU with a super-efficient **80+ gold compliant** power supply that delivers **92% efficiency**. Get all the performance you need with less power required.

These components all work to reduce the power draw at the wall, maximising energy savings without sacrificing performance when you need it.

Secure against threats

Enhance your security with built-in firmware-based **TPM 2.0** and full compatibility with **Windows 11**.

Combined with a **chassis padlock**, **Kensington lock**, and **anti-tamper front panel**, the Broadleaf Mini ensures robust protection for your valuable data and hardware.

Versatile connectivity

Integrating seamlessly into an existing office setup, the Broadleaf Mini features **HDMI** and **DisplayPort** outputs, along with a frontal **Thunderbolt 4** port for unparalleled versatility and high-speed data transfer.

Prefer wireless? Broadleaf Mini comes with **Wi-Fi 6** & **Bluetooth** connectivity out of the box.

School with a rich tradition seeks to embrace sustainability by investing in energy-efficient technology

TWYFORD SCHOOL

Twyford School puts the happiness and fulfilment of every child at the centre of all they do.

They believe that the overtly positive and encouraging educational environment which exists at Twyford will enable pupils to flourish and thrive. The School is ambitious but supportive, challenging but nurturing, forward-thinking but proud of its 200-year history. They strive to equip their leavers with the skills and values that will enable them to be flexible thinkers, and competent collaborators, combined with a strong moral compass and sense of duty.

Requirement

Twyford School approached VeryPC after receiving several positive recommendations on the ANME Forum.

The School wanted to upgrade its computers to a more energy-efficient solution in line with its sustainability goals. The new machines needed to be environmentally friendly while still meeting high-quality standards.

Additionally, the School required the machines to be capable of running Windows 11 smoothly, without having to worry about future processor requirements changes by Microsoft.

Having reliable support was crucial, as any downtime could impact teaching and learning. The School needed assurance that any issues would be resolved promptly and that the machines could be easily upgraded in the future.

Solution

VeryPC's first step toward a greener product lifecycle is the **Broadleaf Mini**.

The Broadleaf Mini offers excellent desktop performance with significant energy savings. It was designed in partnership with Intel and JWIPC as a joint effort to reduce environmental impact through design, manufacturing, and use.

The modular design of the Broadleaf Mini makes it easy to assemble, service, replace parts, disassemble, and separate. It is made from 30% recycled plastics, contributing to a lower carbon footprint across its lifecycle.

"The VeryPC team are great to work with, both in sales and support, they understand the pinch points IT face in education. We moved our Summer PC upgrade programme from Dell/ Lenovo to VeryPC in 2023 and have been impressed. Across 2024 we wanted to focus more on upgrading to more energy-efficient technology to support the School's sustainability aims and for the IT department to do our bit to help the planet."

Sam Stockall
IT Operations Manager

Services

Your one-stop solution for a seamless experience

Factory Services

Save time and money by letting us do the heavy lifting for you.

BIOS

Pre-configure BIOS settings, add custom branding, passwords, boot orders, and more.

Imaging

Deploy custom OS imaging and store them for future purchases.

Autopilot Enrollment

Pre-enroll devices on Microsoft Intune.

MAC/Serial Provision

We provide MAC/serial numbers ahead of shipment.

Asset Tagging

Affix your asset numbers / tags to your device.

Deliver to Desk

Our technicians will unbox, cable, and configure your systems.

Packaging Takeback

We'll take away and recycle the packaging that your systems arrived in.

Custom Branding

Customise your Broadleaf Mini with full colour vinyl branding.

Right Side Panel

Left Side Panel

Warranty & Accessories

Everything you need for peace of mind

Warranty

Experience peace of mind with our comprehensive warranty options. We offer up to 5 years total coverage, including an Extended Service Plan designed to minimise downtime.

Standard Plan
Included

1 year collect and return

Advance Plan
Upgrade

3 or 5 year collect and return

Extended Service Plan
Upgrade

Upto 5 year total cover extended service
Replacement parts, whole products or on-site engineer

Accessories

Complete your desk setup with our range of peripherals.

Webcam

Keyboard & Mouse

Monitor

Headset

Power & Performance

Empowering your passion with unmatched performance

Power Draw

Off	Standby	Idle	Full load
0.67W	0.79W	11.20W	75.40W

Typical power draw (office loads)
23.90W

Annual Estimates

52.1 kWh
average usage

£12.76
average cost

Power usage based on 7 active hours per day for 5 days a week
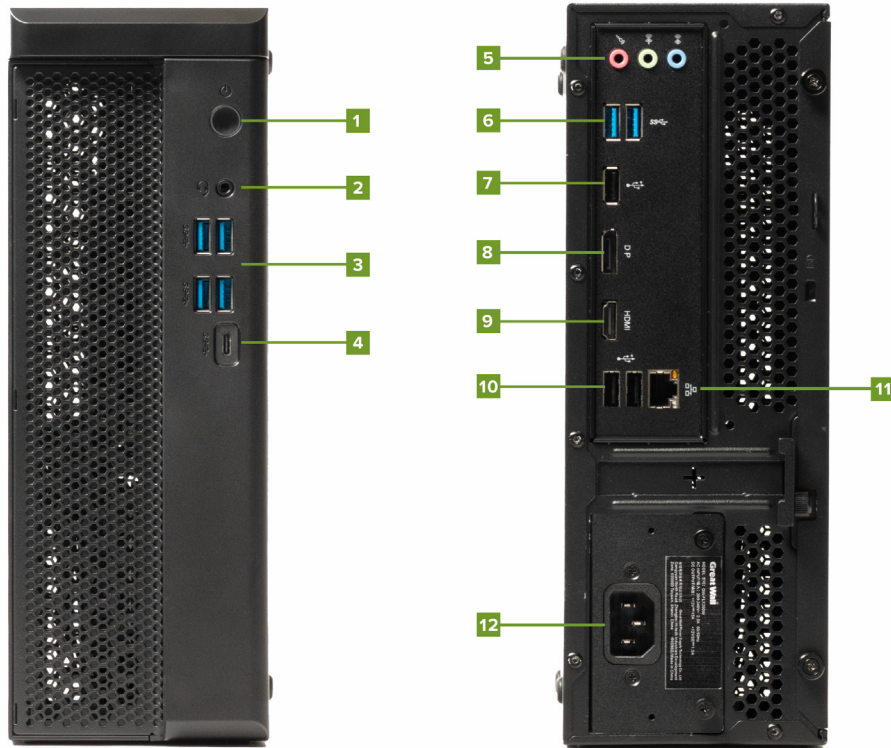*Carbon and cost estimates based on £0.2450/kWh (Unit Rate)*

PCMARK®10

VeryPC measure the performance of our products using PCMark 10, a world renowned benchmarking tool that can be used to compare real-world performance between computer hardware.

Essentials
Everyday use, including web browsing, video conferencing and app startups

10866

Productivity
Office applications, including spreadsheets and word processing

7206

Content Creation
Digital content and media, including photo/video editing and rendering

5653

5464
Total Score

Ports

Connectivity at your fingertips

1. Power button

2. Audio in/out (3.5mm combo jack)

3. 4x USB 3.2 Gen 1 (Type-A)

4. Thunderbolt 4 (USB Type-C)

5. 3 x 3.5mm audio

6. 2 x USB 3.2 Gen 2 (Type-A)

7. USB 2.0 (Type-A)

8. DisplayPort

9. HDMI

10. 2x USB 2.0 (Type-A)

11. 1Gb LAN (RJ45)

12. Power socket

Technical Specification

For the tech enthusiasts: all the nitty-gritty details

Performance

Processor	Intel Core i5 12450H - 4P/4E/12T
Memory	Up to 32GB DDR4 @ 3200MHz
Storage	Up to 2TB M.2 NVMe
Graphics	Intel UHD Graphics for 12th Gen Intel Processors
Operating System	Windows 11 - Home / Pro / Education No operating system - Optional

Physical

In the box	Broadleaf system UK C13 power cable
Dimensions	281 x 271 x 100 mm
Security	Kensington security slot Padlock ring
Weight	3kg (approx)

Certifications

Certifications	CE RoHS IEC/EN

Connectivity

Networking	Realtek 1Gbps LAN Wi-Fi 6 (802.11ax) - 600Mbps Bluetooth 5.2
Front IO	1 x Thunderbolt 4 (USB Type-C) 4 x USB 3.2 Gen 1 (Type-A) 1 x Audio in/out (3.5mm combo jack)
Rear IO	2 x USB 3.2 Gen 2 (Type-A) 3 x USB 2.0 (Type-A) 1 x 1Gb LAN (RJ45) 1 x DisplayPort 1.4 1 x HDMI 1.4 3 x 3.5mm audio

System

Audio	Realtek 7.1 HD Audio
Internal Expansion	1 x PCIe 3.0 x16 (x8 mode) 1 x M.2 PCIe 3.0 x4 NVMe SSD (occupied) 1 x 2.5" SATA SSD/HDD
TPM	Intel PTT (Firmware)
Power Supply	180W 80+ Gold ATX12VO

0114 321 8609

info@very-pc.co.uk

very-pc.co.uk

Unit 4/5 Parkwood Business Park,
75 Parkwood Road, Sheffield, S3 8AL