

Contents

Welcome to Issue 224

Highlights

08 Disarming

Nvidia's Arm deal is off, but where does that leave the PC industry? Richard Swinburne mulls it over.

10 One size doesn't fit all

Tracy King is excited about the Steam Deck's capabilities but concerned about its size.

14 Intel Core i5-12400F

Intel's new budget CPU brings its 12th-gen architecture to a new impressively low price point.

16 Nvidia GeForce RTX 3050

Nvidia brings new meaning to the term 'budget' with its latest GPU.

20 Cooler Master HAF 500

With a fresh update, Cooler Master has brought back its high-airflow case brand, but is it any good?

28 NZXT H1 V2

We loved the original H1, but safety concerns saw it pulled from sale. Does the revised version finally fulfil its potential?

46 B660 motherboards

Antony Leather tests six motherboards based on Intel's new lower-cost B660 chipset.



56 Premium PC speakers

Looking to take your desktop audio to the next level? Edward Chester puts five top-end PC speaker systems through their paces.

70 Halo Infinite

The latest instalment in the Halo franchise puts a modern spin on the venerable Microsoft exclusive.

76 Build a budget gaming PC

Learn how to build a gaming PC that can play the latest games at 1,920 x 1,080 for under £1,000.

86 Monitor buyer's guide

Cut through the jargon and learn all you need to know when it comes to choosing your next monitor.

94 Hobby tech

Gareth Halfacree tests the Microchip PolarFire SoC Icicle Kit and Arducam 16MP Autofocus Camera Module.

102 How to

Learn how to give your PC system a new colour and finish, without making a mess and with the ability to roll back your changes at any time. Antony Leather introduces you to the world of vinyl wrap.

107 AMD Athlon

In this month's Retro tech section, Stuart Andrews looks at AMD's first K7 CPUs.

110 Readers' drives

Simon Beacock's stunning water-cooled PC is a master class in minimalist hard line water cooling.

114 The death of CPU overclocking

In the age of multi-threaded workloads and well-engineered boosting algorithms, James Gorbould argues that manual CPU overclocking is now irrelevant.

Cover guide



Regulars

- 3 From the editor
- 8 Richard Swinburne
- 10 Tracy King
- 12 Incoming
- 40 Custom kit
- 42 How we test
- 62 Elite products
- 68 Inverse look
- 74 Reality check
- 94 Hobby tech
- 99 For the win
- 100 Customised PC
- 102 How to guides
- 107 Retro tech
- 110 Readers' drives
- 114 James Gorbald



Reviewed



PROCESSORS

- 14 Intel Core i5-12400F

GRAPHICS CARDS

- 16 Nvidia GeForce RTX 3050

CASES

- 20 Cooler Master HAF 500
- 22 Corsair iCUE RGB 5000T
- 26 Phanteks Evolv Shift XT
- 28 NZXT H1V2

MONITORS

- 30 Iiyama G-Master GB3266QSU

KEYBOARDS

- 32 AOC GK500

MICE

- 33 AOC GM500

LAPTOPS

- 34 Lenovo Legion Slim 7

PC SYSTEMS

- 36 Chillblast Fusion Sentinel
- 38 Wired2Fire Phoenix Intel – Powered by MSI

Custom kit

- 40 Anker Magnetic Cable Management
- 40 Coolon USB Hub
- 40 Everlasting Comfort Arm Rest
- 41 Attenuo Credit Card Wallet
- 41 Razer Sphex V3

B660 motherboard Labs

- 47 Asus Prime B660M-A D4
- 48 Asus Prime B660-Plus D4
- 49 Gigabyte B660 Aorus Master DDR4
- 50 Gigabyte B660 Gaming X DDR4
- 51 MSI MAG B660 Tomahawk WiFi
- 52 MSI MAG B660M Bazzooka DDR4

Speakers Labs

- 57 Audioengine A1
- 58 Creative T100
- 59 Edifier R1280DB
- 60 Klipsch R-41PM
- 61 Ruark Audio MR1 MkII

Games

- 69 The Gunk
- 70 Halo Infinite
- 72 Unpacking
- 73 FITS
- 74 Lone Echo
- 75 Lone Echo II

Hobby tech

- 94 Microchip PolarFire SoC Icicle Kit
- 96 Arducam 16MP Autofocus Camera Module
- 98 WareZ: The Infrastructure and Aesthetics of Piracy