DATASHEET

# HyperX Pulsefire Haste 2 Pro - 4K Wireless Gaming Mouse

## WELCOME TO THE NEXT LEVEL

The HyperX Pulsefire Haste 2 Pro 4K unlocks a whole new level of gaming performance. This is HyperX's first mouse to support a true 4k polling rate, no extra components needed. This lightning-fast mouse reports its position to your PC four times per millisecond for incredibly accurate mouse tracking. The speed doesn't end there! This mouse is equipped with HyperX Optical switches for smoother, faster actuation at every click. HyperX Optical Switches are engineered to maintain the tactile feel of a mechanical switch, without the input delay and debounce effect. True to the Haste family name, the Pulsefire Haste 2 Pro utilizes a lightweight 61-gram structure that you can game with for hours without the fatigue and drag of heavier peripherals. Speaking of extended gaming sessions, the Pulsefire Haste 2 Pro can game for up to 90 hours on a single charge. You can also monitor battery life, remap important functions, and set custom DPI levels with HyperX NGENUITY software. The Pulsefire Haste 2 Pro features versatile connectivity options, allowing you to switch between Bluetooth and 2.4GHz at will, or play and charge while connected via USB-C. You can even ditch the dongle and seamlessly connect to Instant Pair enabled OMEN gaming laptops. Experience enhanced gaming comfort with smooth-gliding skates and included adhesive grip tape panels. Pulsefire Haste 2 Pro is also NVIDIA Reflex Validated, so you can check system latency between your mouse and monitor and optimize your PC for performance.

## Key features

### Pro-grade polling rate with super-smooth tracking

The Pulsefire Haste 2 Pro features adjustable polling rates up to 4kHz1 for super smooth mouse tracking and responsiveness that unlock a whole new level of performance.

### Long battery life for epic gaming sessions

With up to 90 hours[2] of power on a single charge, Pulesfire Haste 2 Pro can run for nearly four days straight! Spend more time winning and less time charging.

### Pinpoint precision with custom DPI settings

The HyperX 26K Sensor enables smooth tracking and snappy movements with customizable DPI settings up to 26,000 DPI and a maximum of 650 IPS. Making clutch plays has never been easier!

### One-touch pairing with OMEN gaming Laptops

Game with a true wireless 4kHz polling rate, no dongle required. Instant Pair[3] enables OMEN gaming laptops, like the 2025 OMEN MAX 16, to connect with built-in 2.4 GHz connectivity.

### Heavyweight performance with a featherweight feel

In the heat of battle, agility is key. Pulsefire Haste 2 Pro's lightweight 61 g structure is built for speed and maneuverability. Game longer with less fatigue.

### Smooth, Snappy HyperX Optical Switches

HyperX Optical Switches offer smooth, rapid actuation with no debounce while maintaining the solid mechanical feel of traditional switches. Game with confidence knowing every click is captured.

### Dual wireless connectivity modes

Seamlessly sync wherever you play. Use the dongle to connect via 2.4GHz wireless, or switch to Bluetooth mode to connect to compatible devices.

### Customizable with NGENUITY software

Personalize lighting, set up macros and or key binds, and customize DPI settings with easy-to-use HyperX NGENUITY[4] Software and get the most out of the Pulsefire Haste 2 Pro.

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| **Product Names** | **Product name**: HyperX Pulsefire Haste 2 Pro - 4K Wireless Gaming Mouse |
| **Product Numbers** | **Product number**: A1KY5AA |
| **Appearance** | **Product Primary Color**: Slate grey |
| **Battery and Power** | **Battery life**: Up to 90 hours (1000Hz), Up to 30 hours (4000Hz)[2];<br>**Battery type**: Rechargeable Li-ion polymer |
| **Compatibility** | **Compatibility statement**: PC, PS5, Xbox Series X\|S. Software Compatibility: NGENUITY |
| **Dimensions** | **Height (metric)**: 38.2 mm ;<br>**Width (metric)**: 66.8 mm ;<br>**Length (metric)**: 124.3 mm |
| **Memory** | **Onboard memory**: 1 profile |
| **Multimedia and input devices** | **Cable length (metric)**: 1.8 m ;<br>**Buttons**: 6;<br>**Light effects**: LED RGB lighting[4];<br>**Connection type**: Wireless USB Type-C®; Bluetooth®;<br>**Cable type**: Detachable, HyperFlex 2 USB-C to USB-A Cable;<br>**Mouse Shape**: Symmetrical;<br>**Sensor**: HyperX 26K;<br>**Resolution**: Up to 26000 DPI;<br>**DPI presets**: 400 DPI; 800 DPI; 1600 DPI; 3200 DPI;<br>**Speed**: 650 IPS;<br>**Acceleration**: 50 G;<br>**Polling rate**: Up to 4000Hz (Wireless); 1000Hz (Wired);<br>**Left/ right buttons switches**: HyperX Optical Switches;<br>**Skate material**: PTFE |
| **Weight** | **Metric**: 61 g |
| **What is in the box** | HyperX Pulsefire Haste 2 Pro, HyperX Grips, Low-Friction Skates, USB-C to USB-A Cable, USB 4 K Wireless Receiver, USB Extension Adapter, Quick Start Guide |
| **Manufacturer Warranty** | 2 years |

## MESSAGING FOOTNOTES

[1] 4 kHz polling is available only in 2.4 GHz connection mode. Bluetooth polling rate maximum 125 Hz. Wired polling rate maximum 1 KHz.
[2] Tested under continuous usage with lighting disabled, 2.4 GHz mode. 90-hour battery life with a 1 kHz polling rate. 30-hour battery life with a 4 kHz polling rate. Battery life varies based on usage and computing conditions.
[3] Instant Pair is available only on select OMEN laptop models. Connecting multiple devices via Instant Pair will affect individual device performance. See the Support Page for details.
[4] Per-LED RGB lighting is customizable with HyperX NGENUITY software. Connection via 2.4 GHz wireless dongle or USB cable required for INGENUITY.
[5] NVIDIA Reflex-enabled monitor required. Connection via 2.4GHz wireless dongle in 1kHz polling mode required for NVIDIA Reflex.

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