# Lenovo Horizon 2s Platform Specifications

*Product Specifications Reference (PSREF)*

**Processor**

4th Generation Intel® Core™ i3 / i5 / i7 Processors

| Processor | Cores / Threads | Clock Speed | Max Turbo Frequency | Cache | Memory Types | Integrated Graphics |
|---|---|---|---|---|---|---|
| Core i3-4010U | 2 / 4 | 1.7 GHz | | 3MB | DDR3L-1600 | Intel HD 4400 |
| Core i3-4030U | 2 / 4 | 1.9 GHz | | 3MB | DDR3L-1600 | Intel HD 4400 |
| Core i5-4210U | 2 / 4 | 1.7 GHz | 2.7 GHz | 3MB | DDR3L-1600 | Intel HD 4400 |
| Core i7-4510U | 2 / 4 | 2.0 GHz | 3.1 GHz | 4MB | DDR3L-1600 | Intel HD 4400 |

* One-chip platform, integrates Intel processor core, Graphics, Memory Controller, and Platform Controller Hub (PCH)

**Graphics**
Intel HD Graphics 4400 in processor, uses main memory, DirectX® 11

**Chipset**
Intel one-chip platform

**Memory**
4GB or 8GB / DDR3 Low Voltage, DDR3L-1600, soldered to systemboard, no sockets

**Disk**
*Some:* SATA 6.0Gb/s, 2.5" Wide, 5400 rpm, 5mm
*Some:* 500GB (5400 rpm) Solid State Hybrid Drive (SSHD) / with 8GB NAND flash memory, SATA 6.0Gb/s, 2.5" wide, 5mm

**Optical**
None

**SATA controller**
Serial ATA, SATA 6.0Gb/s support, integrated in processor

**Display**
19.5" (495.3mm) Full HD (1920x1080), IPS, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, wide viewing angle (horizontal: +/- 89°; vertical: +/- 89°), anti-glare panel

**Multi-touch**
Projected Capacitive Touch (PCT) technology, supports 10-point touch

**Camera**
1080p camera, 2.0-megapixel, fixed focus, dual array digital microphone

**Light sensor**
Ambient light sensor

**Controls**
Power button and volume up/down on right side, Windows button on front

**Rear ports**
Charging port on bottom for Horizon 2s adjustable stand (sold separately)

**Side ports**
Two USB 3.0, one microphone / headphone combo jack (3.5mm), power connector

**M.2 Card**
One M.2 (NGFF) Card slot (for WLAN)

**Media reader**
3-in-1 media card reader

**Audio support**
High Definition (HD) Audio, Realtek ALC283 / internal speakers (1.5watt x 2), Dolby® Home Theater® V4

**WLAN**
*Some:* 11b/g/n wireless, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
*Some:* 11ac/a/b/g/n wireless, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1

**Bluetooth™**
Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

**NFC**
Near Field Communication (NFC)

**Ethernet**
None

**Security features**
- Power-on password
- Administrator password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement

**Dimensions**
*(WxDxH)* 19.29" X 0.62" X 11.53"; 490mm X 16mm X 293mm

**Weight**
5.73 lb (2.6 kg), vary by configuration

**Case color**
Front: black color; rear: silver color

**Case material**
Front: glass panel; rear: magnesium alloy

**Stand**
Undetachable stand, supports stand mode 15° and flat mode (90°)

**Keyboard**
2.4G wireless ultra slim keyboard, 6-row, silver

**Mouse**
2.4G wireless laser wheel mouse ZTM600, 1200dpi, silver

**Battery type**
Lithium Polymer, 4-cell, 49Wh

**Battery life**
Up to 2.5 hours (streaming movie via Wi-Fi)

**Power supply**
90 watts AC adapter, universal

**Physical gaming accessories**
*Some:* E-dice, with USB charger and dongle, simply shake and roll like a real dice
*Some:* Joystick, tilt to create directional motion during on-screen actions
*Some:* Striker, push across screen to strike during on-screen actions
* Physical gaming accessories only function in some games

**Preload**
Windows 8.1 64-bit
**Preloaded applications** (only some listed)
- Lenovo Rescue System
- NFC Connector
- Aura multi-user interface
- Dolby Home Theater
- McAfee® LiveSafe™ (30 days of virus definitions)
- Microsoft Office preloaded; purchase a product key to activate
- CyberLink YouCam
- 60+ multi-user games
  - Ubisoft® Chubby Kings
  - Ubisoft Raiding Company
  - Ubisoft King of Opera
  - Ubisoft Draw Race 2 HD

**Limited warranty[3]**
1-year, limited onsite service / service upgrades available

**Environment**
ENERGY STAR® 6.0; RoHS-compliant

See footnotes for more detailed information

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