



## HP Z2 Mini G1a Wolf Pro Security Edition Copilot+ PC AMD Ryzen AI Max+ PRO PRO 395 64 GB LPDDR5x-SDRAM 1 TB SSD Windows 11 Pro Mini PC Workstation AI Workstation, AI PC Black

Brand : HP

Product family: Z2

Product code: A40Q8ET#ABH

Product name : Z2 Mini G1a  
Wolf Pro Security Edition

HP Z2 Mini G1a Wolf Pro Security Edition. Processor frequency: 3 GHz, Processor family: AMD Ryzen AI Max+ PRO, Processor model: PRO 395. Internal memory: 64 GB, Internal memory type: LPDDR5x-SDRAM, Memory clock speed: 8533 MHz. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: AMD Radeon 8060S. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 300 W. Chassis type: Mini PC. Product type: Workstation. Product colour: Black



| Processor                          |                                 | Ports & interfaces                                |                |
|------------------------------------|---------------------------------|---------------------------------------------------|----------------|
| Processor manufacturer *           | AMD                             | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 1              |
| Processor family *                 | AMD Ryzen AI Max+ PRO           | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 3              |
| Processor generation               | AMD Ryzen AI Max PRO 300 Series | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 1              |
| Processor model *                  | PRO 395                         | USB Power Delivery (USB PD)                       | ✓              |
| Processor cores                    | 16                              | USB4 Gen 3x2 ports quantity                       | 2              |
| Processor threads                  | 32                              | USB Type-C DisplayPort Alternate Mode             | ✓              |
| Processor boost frequency          | 5.1 GHz                         | Intel® Thunderbolt 4                              | ✓              |
| Processor frequency *              | 3 GHz                           | Thunderbolt 4 ports quantity                      | 2              |
| Processor cache                    | 64 MB                           | Ethernet LAN (RJ-45) ports                        | 1              |
| Processor cache type               | L3                              | Combo headphone/mic port                          | ✓              |
| Neural processor unit (NPU)        |                                 | Microphone in                                     | ✓              |
| Copilot+ PC                        | ✓                               | Mini DisplayPorts quantity                        | 2              |
| Neural processor unit (NPU)        | AMD Ryzen AI                    | Power                                             |                |
| Total processor performance up to  | 126 TOPs                        | Power supply *                                    | 300 W          |
| NPU performance up to              | 50 TOPs                         | Power supply input voltage                        | 100 - 240 V    |
| Memory                             |                                 | Power supply input frequency                      | 50/60 Hz       |
| Internal memory *                  | 64 GB                           | Design                                            |                |
| Maximum internal memory *          | 64 GB                           | Chassis type *                                    | Mini PC        |
| Internal memory type               | LPDDR5x-SDRAM                   | Colour name                                       | Jet black      |
| Memory clock speed                 | 8533 MHz                        | Product colour *                                  | Black          |
| Memory data transfer rate          | 8533 MT/s                       | Country of origin                                 | China, Mexico  |
| Storage                            |                                 | Software                                          |                |
| Total storage capacity *           | 1 TB                            | Operating system architecture                     | 64-bit         |
| Storage media *                    | SSD                             | Operating system installed *                      | Windows 11 Pro |
| Optical drive type *               | ✗                               | Display                                           |                |
| Number of storage drives installed | 1                               | Display included *                                | ✗              |
| Total SSDs capacity                | 1 TB                            |                                                   |                |
| Number of SSDs installed           | 1                               |                                                   |                |
| SSD capacity                       | 1 TB                            |                                                   |                |
| SSD memory type                    | TLC                             |                                                   |                |

| Storage                        |                      | Brand-specific features                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------|----------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SSD interface                  | PCI Express 4.0      | HP Artificial Intelligence             | AI Workstation, AI PC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NVMe                           | ✔                    | HP segment                             | Business                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SSD form factor                | M.2                  | Audio                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Graphics                       |                      | Audio chip                             | Realtek ALC3205-VA2-CG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Discrete graphics card *       | ✖                    | Number of speakers                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| On-board graphics card *       | ✔                    | Weight & dimensions                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Discrete graphics card model * | Not available        | Width *                                | 85.5 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| On-board GPU manufacturer      | AMD                  | Depth *                                | 168 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| On-board graphics card family  | AMD Radeon Graphics  | Height *                               | 85.5 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| On-board graphics card model * | AMD Radeon 8060S     | Weight *                               | 2.3 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Performance                    |                      | Packaging data                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Market positioning             | Performance          | Package width                          | 499 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Password protection            | ✔                    | Package depth                          | 185 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Password protection type       | BIOS, Power on       | Package height                         | 298 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Product type *                 | Workstation          | Package weight                         | 4.1 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Built-in speaker(s)            | ✔                    | Packaging content                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Network                        |                      | Mouse included                         | ✔                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Ethernet LAN *                 | ✔                    | Mouse connectivity                     | Wired                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Ethernet LAN data rates        | 10,100,1000 Mbit/s   | Keyboard included                      | ✔                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Cabling technology             | 10/100/1000Base-T(X) | Numeric keypad                         | ✖                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Wi-Fi *                        | ✔                    | Input device model                     | HP Wired 320M Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Top Wi-Fi standard             | Wi-Fi 7 (802.11be)   | Certificates                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Wi-Fi standards                | Wi-Fi 7 (802.11be)   | Low halogen                            | ✔                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| WLAN controller manufacturer   | MediaTek             | Sustainability                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| WLAN controller model          | MediaTek MT7925      | Sustainability compliance              | ✔                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Antenna type                   | 2x2                  | Sustainability certificates            | ENERGY STAR, EPEAT, TCO, TCO10<br><br>Bulk packaging available; 10% ITE-derived closed loop plastic; Product Carbon Footprint; Contains at least 65% post-consumer recycled plastic; Contains at least 20% post-industrial recycled steel; System has a QR code enabled experience where the user has access to a product portal – beginning December 2025, this is complete with product feature highlights, sustainability information, getting started guides, and direct setup and support options; New Energy Consumption dashboard available to customers providing timely carbon usage including recommended actions users can take to decrease carbon footprint |
| Bluetooth                      | ✔                    | Sustainable technologies and materials |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Bluetooth version              | 5.4                  |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Ports & interfaces             |                      | Keyboard                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| USB 2.0 ports quantity *       | 2                    | Keyboard connectivity                  | Wired                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                |                      | Keyboard layout                        | QWERTY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                |                      | Other features                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                |                      | UNSPSC-code                            | 43211515                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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