HP(623W9ET#ABU)
HP Pro Mini 400 G9 i513500T 16GB/512 PC

The HP Pro Mini 400 provides users with the commercial-grade performance, security, and the flexible deployment capabilities needed for small workspaces. This ultra small form factor PC is powered by an Intel processor and protected with always-on security you can trust.

Key Selling Points

Advanced Intel processor
Flex ports for easy expansion
Work with peace of mind

Product Features

Advanced Intel processor

Accomplish everything from minor tasks to complex projects with the advanced Intel processor.

Flex ports for easy expansion

Configure or expand your Mini your way with flex ports for legacy or clean desk connectivity.

Work with peace of mind

HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense. From the BIOS to the browser, above, in, and below the OS, these constantly evolving solutions help protect your PC from modern threats.

Main Specifications

Product Description	HP Pro 400 G9 - Wolf Pro Security - mini - Core i5 13500T 1.6 GHz - 16 GB - SSD 512 GB - UK - with HP Wolf Pro Security Edition (3 years)
Type	Personal computer - mini
Localisation	Language: English / region: United Kingdom
Processor	Intel Core i5 (13th Gen) 13500T / 1.6 GHz (, up to 4.6 GHz, (14-core)
Processor Main Features	Hyper-Threading Technology, Intel Turbo Boost Technology 2, Intel Smart Cache
Cache Memory	24 MB L3 Cache
Cache Per Processor	24 MB
RAM	16 GB (installed) / 64 GB (max) - DDR4 SDRAM
Hard Drive	SSD 512 GB - PCI Express - M.2 2280 - NVM Express (NVMe)
Optical Storage	No optical drive
Graphics Controller	Intel UHD Graphics 770 Dynamic Video Memory Technology
Audio Output	Stereo
Networking	1GbE, 802.11a, 802.11b/g/n, Wi-Fi 5, 802.11ax (Wi-Fi 6E), Bluetooth Dual-Mode
Keyboard	UK
Power	(50/60 Hz)
OS Provided	Windows 11 Pro
Software Included	HP Support Assistant, HP PC Hardware Diagnostics UEFI, HP Secure Erase, HP Client Catalogue (free download), HP Setup Integrated OOBE, HP Notifications, HP Connection Optimizer, HP Sure Click, HP Privacy Settings, HP Cloud Recovery, HP Sure Sense, HP SureStart, HP Sure Admin, HP QuickDrop, HP Client Management Script Library (free download), HP BIOSphere Gen6, myHP, Touchpoint Customiser for Commercial, HP Desktop Support Utilities, HP Image Assistant Gen5 (free download), HP Easy Clean, HP Smart Support (free download), HP Manageability Integration Kit

	(free download), HP Patch Assistant (free download)
Dimensions (WxDxH)	17.7 cm x 17.5 cm x 3.42 cm
Weight	1.42 kg
Environmental Standards	ENERGY STAR Qualified
Manufacturer Warranty	Limited warranty - parts and labour - 1 year - on-site
Bundled with	HP Wolf Pro Security Edition (3 years)

Extended Specification

General

Type	Personal computer
Product Form Factor	Mini
Sensors	HP Tamper Lock
Embedded Security	Trusted Platform Module (TPM 2.0) Security Chip
Localisation	Language:English / region:United Kingdom
Bundled with	HP Wolf Pro Security Edition (3 years)

Processor / Chipset

CPU	Intel Core i5 (13th Gen) 13500T
Clock Speed	1.6 GHz (P-core) / 1.2 GHz (E-core)
Max Turbo Speed	4.6 GHz (P-core) / 3.2 GHz (E-core)
Number of Cores	14-core
CPU Qty	1
Max CPU Qty	1
L2 cache	11.5 MB
CPU Upgradability	Upgradable
Processor Main Features	Hyper-Threading Technology, Intel Turbo Boost Technology 2, Intel Smart Cache
Chipset Type	Intel Q670

Cache Memory

Installed Size	L3 Cache - 24 MB
Cache Per Processor	24 MB

RAM

Installed Size	16 GB / 64 GB (max)
Technology	DDR4 SDRAM
Effective Memory Speed	3200 MHz
Rated Memory Speed	3200 MHz
Form Factor	SO-DIMM 260-pin
Slots	2 (Total) / 1 (empty)
Configuration Features	1 x 16 GB

Hard Drive

Type	SSD - M.2 2280

Capacity	1 x 512 GB
Interface Type	PCI Express
Features	NVM Express (NVMe)

Optical Storage

Type	No optical drive

Monitor

Monitor Type	None.

Graphics Controller

Graphics Processor	Intel UHD Graphics 770 Dynamic Video Memory Technology
Video Interfaces	HDMI, DisplayPort
HDCP Compatible	Yes

Audio Output

Sound Output Mode	Stereo
Max Sampling Rate	192 kHz
Compliant Standards	High Definition Audio

Input Device

Type	Mouse, keyboard

Keyboard

Keyboard Name	HP 320K
Interface	USB
Localization & Layout	UK

Mouse

Mouse Name	HP 125

Networking

Ethernet Controller	Intel I219-LM
Wireless LAN Supported	Yes
Wireless NIC	Intel Wi-Fi 6E AX 211
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet, IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax (Wi-Fi 6E), Bluetooth Dual-Mode
Remote Management Protocol	SNMP 2
Features	Wake on LAN (WoL), ACPI support, auto-uplink (auto MDI/MDI-X), PXE 2.1 support, dual stream (2x2)
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3i, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.11d, IEEE 802.1x, IEEE 802.11i, Wi-Fi CERTIFIED, IEEE 802.11h, IEEE 802.11e, IEEE 802.11k, IEEE 802.3az, IEEE 802.11r, IEEE 802.11v

Expansion / Connectivity

Bays	1 (total) / 1 (free) x internal 2.5"
Slots	1 (total) / 0 (free) x M.2 Card - 2230 (for wireless module) 1 (total) / 0 (free) x M.2 Card - 2280 (for internal storage)
Interfaces	1 x headphones/microphone (1 in front) (CTIA headset support) 2 x USB 3.2 Gen 2 (2 in front) (one of them is charging) 1 x USB-C 3.2 Gen 2x2 (1 in front) (charging) 1 x USB 3.2 Gen 2 2 x DisplayPort 1.4a 1 x HDMI 2 x USB 3.2 Gen 1 (wake functionality) 1 x LAN (Gigabit Ethernet)

Miscellaneous

Theft/Intrusion Protection	Security lock slot (cable lock sold separately), retractable padlock loop
Security Slot Type	Kensington security slot
Compliant Standards	FCC Class B certified, ICES-003, CCC, FIPS 140-2 Level 2, RoHS, WEEE, KCC Class B, Common Criteria EAL4+, VCCI Class B, low halogen, CAN/CSA-C22.2 No. 62368-1, UL 62368-1, IEEE 1680.1-2018

Power

Device Type	Power adapter
Voltage Required	AC 90-264 V (50/60 Hz)
Power Provided	90 Watt
Efficiency	89% (230VAC), 88% (115VAC)
Power Factor Correction	Yes (active)

Operating System / Software

OS Provided	Windows 11 Pro English
Software	HP Support Assistant, HP PC Hardware Diagnostics UEFI, HP Secure Erase, HP Client Catalogue (free download), HP Setup Integrated OOBE, HP Notifications, HP Connection Optimizer, HP Sure Click, HP Privacy Settings, HP Cloud Recovery, HP Sure Sense, HP SureStart, HP Sure Admin, HP QuickDrop, HP Client Management Script Library (free download), HP BIOSphere Gen6, myHP, Touchpoint Customiser for Commercial, HP Desktop Support Utilities, HP Image Assistant Gen5 (free download), HP Easy Clean, HP Smart Support (free download), HP Manageability Integration Kit (free download), HP Patch Assistant (free download)

Sustainability Information

ENERGY STAR Certified	Yes

Manufacturer Warranty

Service & Support	Limited warranty - parts and labour - 1 year - on-site

Dimensions & Weight

Width	17.7 cm
Depth	17.5 cm
Height	3.42 cm
Weight	1.42 kg

Dimensions & Weight (Shipping)

Shipping Width	49.8 cm
Shipping Depth	23.5 cm
Shipping Height	13.2 cm
Shipping Weight	3.4 kg

Environmental Parameters

Min Operating Temperature	10 °C
Max Operating Temperature	35 °C
Humidity Range Operating	10 - 90% RH (non-condensing)