TECHNICAL PRODUCT DATASHEET

HP ProDesk 600 G5 Small Form Factor PC

9th Generation Intel® Core™ i5 Business Desktop

Ref. SKU: 7PS46AW • EAN: 0193905587889

Product Overview

The HP ProDesk 600 G5 Small Form Factor (SFF) is a powerful, space-saving business desktop designed for demanding office workflows, multitasking, and long-term expandability. Powered by a 9th Generation Intel® Core™ i5 6-core processor, fast M.2 PCIe® NVMe™ SSD storage, and support for up to 128 GB of DDR4 memory, it delivers enterprise-grade security, rich front and rear connectivity, and full Windows 11 Pro compatibility in a versatile horizontal or vertical chassis.

1. System Identification & Operating System

Product Name	HP ProDesk 600 G5 Small Form Factor (SFF) PC
Common SKUs & EANs	7PS46AW#UUG / EAN 0193905587889 (Benelux) • 7PS46AW#ABB / EAN 0193905588114 (EU) • 7AC34EA / EAN 0193905865192
Form Factor & Color	Small Form Factor (SFF) – Black / Silver
Operating System	Windows 10 Pro or Windows 11 Pro (64-bit, officially supported)

2. Processor & Chipset

Processor (Standard i5)	Intel® Core™ i5-9500 (9th Gen Coffee Lake Refresh, 6 cores / 6 threads, 3.0 GHz base up to 4.4 GHz Turbo Boost, 9 MB SmartCache, 65 W TDP)
Alternative i5 Options	Intel® Core™ i5-9600 (6 cores, 3.1 – 4.6 GHz) or 8th Gen Intel® Core™ i5-8500 (6 cores, 3.0 – 4.1 GHz)
Chipset & Management	Intel® Q370 chipset • Intel® vPro™ technology support

3. Memory, Storage & Expansion

Installed Memory (RAM)	8 GB or 16 GB DDR4-2666 SDRAM (non-ECC, dual-channel capable)
Memory Slots & Max Capacity	4x 288-pin DIMM slots • Expandable up to 128 GB (4x 32 GB)
Primary Storage	256 GB or 512 GB M.2 PCIe® NVMe™ SSD (M.2 2230/2280 slot)
Internal Drive Bays	1x 3.5-inch internal drive bay + 2x 2.5-inch internal drive bays (3x SATA 6 Gb/s), optional 9.5 mm Slim DVD-Writer
Expansion Slots	1x PCIe 3.0 x16 (low profile), 1x PCIe 3.0 x4 (low profile), 1x M.2 2230/2280 (storage), 1x M.2 2230 (WLAN)

4. Graphics & Audio

Integrated Graphics	Intel® UHD Graphics 630 (supports dual independent displays via standard DisplayPort 1.2)
Audio & Speaker	Conexant CX20632 High Definition (HD) Audio codec with integrated 2.0 W internal mono speaker

5. Ports & Connectivity	
Front Ports	• 1x USB 3.1 Gen 2 Type-C™ (10 Gbps) • 2x USB 3.1 Gen 2 Type-A (10 Gbps) • 2x USB 2.0 Type-A (1x fast-charging) • 1x Headphone jack (3.5 mm) • 1x Universal headset/microphone combo jack (3.5 mm)
Rear Ports	• 2x USB 3.1 Gen 1 Type-A (5 Gbps) • 2x USB 3.1 Gen 2 Type-A (10 Gbps) • 2x USB 2.0 Type-A • 2x DisplayPort™ 1.2 • 1x RJ-45 Gigabit Ethernet • 1x Audio line-in • 1x Audio line-out • 1x Optional Flex I/O port (configuration-dependent: VGA, HDMI 2.0, DisplayPort, USB-C, or Serial) • 1x AC power input
Wired & Wireless Network	Intel® I219LM Gigabit Ethernet (10/100/1000 Mbps) • Optional Wi-Fi (802.11ac / Wi-Fi 6 + Bluetooth®) via M.2 2230 slot

6. Security, Power & Physical Specifications	
Security & Manageability	Trusted Platform Module (TPM) 2.0, hood sensor, padlock loop, Kensington® lock slot, HP Sure Start Gen5, HP BIOSphere Gen5, HP Sure Click
Power Supply	Internal 180 W power supply (up to 92% efficiency, Active PFC, 100–240V AC, 50/60 Hz)
Dimensions (H × W × D)	9.5 × 27.0 × 29.6 cm (3.7 × 10.6 × 11.7 in)
Weight & Certifications	Approx. 4.5 kg (9.92 lbs, configuration-dependent) • ENERGY STAR® certified, EPEAT® 2019 registered

Technical specifications are based on standard HP ProDesk 600 G5 Small Form Factor Intel® Core™ i5 configurations. Exact RAM, storage, and Flex I/O options may vary by specific SKU.