HP Engage Flex Pro-C G2 Retail System (BF6R7UT)



Overview

Power to drive your business - even in small spaces

Drive business operations with a compact high-performance platform that also offers outstanding flexibility. Suitable for a wide range of deployments that span POS, digital signage, video surveillance, processing/controlling, OEM and more.

Maximize Flexibility. Minimize Space. (Flex Pro-C)

With multiple connectivity, graphics, and networking options, plus the ability to accommodate a range of peripherals, this powerful platform can be configured for almost any environment and use case. You can also declutter & optimize tight spaces since this machine and a display can be powered with just one cord and power outlet.

Built-in Security and Manageability

Spend more time focusing on your business, not on technology. Enjoy automatic firmware intrusion detection and repair from day one with HP Sure Start Gen 7[4] and reduce the cost and complexity of managing your platform remotely with the HP Manageability Integration Kit.[5]

Built to Perform. Designed to Last

Get high level, long-term performance from quality components like Intel® 13th Generation processors[2], up to 128GB DDR5 RAM[3], and multiple OS and port options. Plan ahead with a five-year lifecycle that lets you roll out on your schedule and extend protection with optional 5 years parts/service support.[1]

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[1] HP Care Packs are sold separately. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc. HP Services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

[2] Multi-Core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and

clock frequency will vary depending on application workload and your hardware and software configurations. Intel’s numbering, branding and/or naming is not a measurement of higher performance.

[4] HP Sure Start Gen7 is available on the HP Engage Flex Pro equipped with 13th generation Intel® processors.

[5] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement .

Specifications

Form factor	Small form factor
Operating system	Windows 11 Pro
Processor family	13th Generation Intel® Core™ i3 processor
Processor	Intel® Core™ i3-13100E (up to 4.4 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 4 cores, 8 threads)[6,7]
Chipset	Intel® Q670
Memory	16 GB DDR5-4800 MT/s (1 x 16 GB)
Memory Slots	4 DIMM
Internal Storage	256 GB PCIe® NVMe™ SSD
Internal drive bays	Two 2.5"; Two M.2
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics 730
Audio	Realtek ALC3252 codec, universal audio jack, headset and headphone front ports (3.5 mm), multi-streaming capable
Dimensions (W x D x H)	30 x 30.2 x 10 cm
Dimensions (W x D x H)	11.81 x 11.89 x 3.94 in
Weight	Starting at 3.99 kg *(Exact weight depends on configuration.)*
Weight	Starting at 8.8 lb *(Exact weight depends on configuration.)*
Ports	1 USB Type-A 5Gbps signaling rate (charging); 2 USB Type-A 5Gbps signaling rate (charging); 2 USB 2.0 Type-A; 1 DisplayPort™ 1.4; 1 RJ-45; 1 headset connector; 2 configurable video ports[11] *(Additional optional ports include up to 6 RS-232 (5/12V), up to 6 12V USB, 1 24V USB, 1 RJ-12 cash drawer.)*
Expansion slots	2 full-height PCIe (x1); 1 half-height PCIe x16 (x4); 1 half-height PCIe x16 (x16)
Ports	2 USB Type-A 5Gbps signaling rate
Wireless	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card
Power	250 W internal power adapter, up to 90% efficiency, active PFC
Management features	HP Driver Packs (download); HP Image Assistant; HP Manageability Integration Kit Gen4 (download)[13]
Sustainable impact specifications	Low Halogen

Security management	Trusted Platform Module TPM 2.0 Embedded Security Chip; USB enable/disable (via BIOS); Serial enable/disable (via BIOS); HP BIOSphere; RAID configurations; Support for chassis padlocks and cable lock devices; Solenoid lock and hood sensor; Parallel enable/disable (via BIOS); Front USB enable/disable (via BIOS); HP Sure Sense; HP Secure Erase; HP Multi-Factor Authenticate; HP Sure Click (Standard); HP MIK (SCCM Integration); HP Image Assistant; HP vPRO Support; Device Guard Enablement; Self Encrypting Drives; HP Client Security Manager Gen7; HP Tamper Lock; HP Sure Run Gen5; HP Sure Admin Gen2; HP Sure Start Gen7; Intel® Active Management Technology (Intel® AMT); HP Sure Recover Gen5 (via network) [2,13,15,16,17,18,19,20,21,22,23,26,27,28,29,30,31]
Software included	HP PC Hardware Diagnostics UEFI; HP Privacy Settings; HP PC Hardware Diagnostics Windows; MyHP; HP QuickDrop; HP Easy Clean; Touchpoint Customizer for Commercial; HP Easy Clean Keyboard Driver; HSA Fusion for Commercial; HSA Telemetry for Commercial[9,12]
UPC number	199251038792

Additional specifications

Bluetooth version	Bluetooth® 5.3
Certifications and compliances	IEC 60601-1-2
ECC memory	non-ECC
External I/O ports footnote number	[11]
I/O Port location	Front
I/O Port location	Rear
Memory layout (slots & size)	1 x 16 GB
Memory module type	DIMM
Memory size	16
Memory size uom	GB
Memory speed	4800
Memory speed uom	MT/s
Memory type	DDR5
Number of memory slots	1
Operating humidity range	20 to 85% RH
Operating temperature range	50 to 104°F
Operating temperature range	10 to 40°C
Processor Brand	Intel®
Processor cache	12 MB L3
Processor core	4
Processor family	Core™ i3
Processor frequency technology	Intel® Turbo Boost Technology
Processor generation	13th Generation
Processor maximum frequency	4.4
Processor maximum frequency uom	GHz
Processor threads	8
Standard memory note	Transfer rates up to 4800 MT/s.
Storage capacity	256
Storage capacity uom 01	GB
Storage interface 01	PCIe®
Storage interface protocol 01	NVMe™
Storage type	SSD

Storage type 01	SSD
UNSPSC code	43211505
Wireless Model	Wi-Fi 6E AX211
Wireless antenna	2x2
Wireless standard	Wi-Fi 6E
Wireless supplier	Intel®

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[2] Microsoft Device Guard and Credential Guard are available with Windows 10 IoT Enterprise delivered from HP or to customers with a volume license to use Windows 10 Enterprise. Microsoft Device Guard and Credential Guard are not available with Windows 10 Pro or Windows 11 Pro. The installation of Windows 10 Enterprise and Microsoft Device Guard and Credential Guard are available through HP Configuration & Deployment Services.

[6] Multi-core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See http://www.intel.com/technology/turboboost/ for more information.

[9] HP Easy Clean requires Windows 10 RS3 and higher and will disable the keyboard, touchscreen, and clickpad only. Ports are not disabled. See user guide for cleaning instructions.

[11] (2) USB 3.2 Gen 1 Type A (5 Gb/s signaling data rate. Actual throughput may vary).

[12] HP Quick Drop requires Internet access and Windows 10 PC preinstalled with HP QuickDrop app and either an Android device (phone or tablet) running Android 7 or higher with the Android HP QuickDrop app, and /or an iOS device (phone or tablet) running iOS 12 or higher with the iOS HP QuickDrop app.

[13] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement .

[15] HP BIOSphere Requires Intel® 13th Gen processors. Features may vary depending on the platform and configurations.

[16] HP Client Security Manager Gen 7 Requires Windows and Intel® 13th generation processors.

[17] HP Sure Admin requires Windows 10 or higher. HP BIOS, HP Manageability Integration Kit from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.

[18] HP Sure Start Gen7 is available on the HP Engage Flex Pro G2 products equipped with 13th generation Intel® processors and requires Windows 10 or higher.

[19] Intel vPro® requires Windows 10 Pro 64 bit or higher, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or Wi-Fi 6E WLAN and TPM 2.0. Some functionality requires additional 3rd party software in order to run. Features of vPro® Essentials and Enterprise vary. See http://intel.com/vpro .

[20] For full Intel® vPro® functionality, Windows 10 Pro 64 bit, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or WLAN card and TPM 2.0 are required. Some functionality requires additional 3rd party software in order to run. See http://intel.com/vpro .

[21] vPRO support requires either an Intel Core i5 or Core i7 processor.

[22] vPRO support also requires a vPRO WLAN Card for these products.

[23] vPRO enablement is a separate option on some products.

[26] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.

[27] HP Sure Click is only supported on Intel Core i3, i5, i7, and i9 processors.

[28] HP Sure Click, Sure Run, Sure Recover & Sure Sense is supported on Win 10 Pro or higher, Win 10 IoT Enterprise 2019 LTSC, or Win 10 IoT Enterprise 2021 LTSC; but not on Win 10 IoT Enterprise 2016 LTSB.

[29] RAID configuration Is optional and does require a second hard drive or solid state drive.

[30] HP Sure Run Is available on HP Engage Flex Pro G2 products equipped with 13th generation Intel® processors.

[31] The Engage Flex Pro G2 can support a single graphics card up to 75W.

Accessories for PC

Components/Upgrades

★ : Recommended

Storage

512GB 2280 PCIe NVMe SED OPAL2 w/Heatsink Solid State Drive	9U759AA
HP 1TB 2280 PCIe NVMe TLC w/Heatsink Solid State Drive	9U757AA
HP 1TB 2280 PCIe NVMe Value w/Heatsink Solid State Drive	9U755AA
HP 256GB 2280 PCIe NVMe Value w/Heatsink Solid State Drive	9U753AA
HP 2TB 2280 PCIe NVMe TLC w/Heatsink Solid State Drive	9U758AA
HP 512GB 2280 PCIe NVMe TLC w/Heatsink Solid State Drive	9U756AA
HP 512GB 2280 PCIe NVMe Value w/Heatsink Solid State Drive	9U754AA

Internal ports/Modules/Controllers

HP DisplayPort Port Flex IO v2	13L54AA
HP Dual Type-A 3.2 Gen 1 Flex IO v2	13L58AA
HP HDMI Port Flex IO v2	13L55AA
HP Parallel PCIe x1 Card	N1M40AA
HP Type-C USB 3.1 Gen2 Port Flex IO v2	13L59AA
HP VGA Port Flex IO v2	13L53AA
Intel I225V Single Port 2.5GbE PCIe NIC	406L9AA

Port Replicators/Dongles/Docking

Cables/Cable Adapters/Dongles

HP 10 ft PUSB-Y Cable	BM477AA

Keyboards/Other Input Devices

Wired Keyboards

HP 125 USB Wired Keyboard	266C9AA
HP 320K Wired Keyboard	9SR37AA
HP 320K Wired Keyboard	9SR37UT

Wired Combo

HP 225 Antimicrobial Wired Mouse and Keyboard Combo	286K3AA
HP 225 Wired Mouse and Keyboard Combo	286J4AA

HP Wired Desktop 320MK Mouse and Keyboard	9SR36AA
HP Wired Desktop 320MK Mouse and Keyboard	9SR36UT

Mice/Pens/Other Pointing Devices

Wired Mice

HP 125 Wired Mouse	265A9AT
HP 125 Wired Mouse	265A9UT
HP 128 LSR Wired Mouse	265D9AA
HP Wired 320M Mouse	9VA80AA

Security

Security Cables

HP Business PC Security Lock V3 Kit	3XJ17AA
HP Keyed Cable Lock	T1A62AA

Accessories

Point of Sales System Options

★ : Recommended

POS Terminal Accessories

60W Printer AC Adapter	3A2P5AA
Datalogic 1500i OEM Presentation Scanner 3F568AA	3F568AA
Datalogic 1500i Presentation Scanner	9BU50AA
Datalogic 18W AC Adapter w/Power Cord + Cable	A0EK1AA
Datalogic 3450Vsi Presentation Scanner	7UZ38AA
EPSON 10FT USB CABLE	2LR29AA
Epson 10 ft PUSB-Y Cable	2KH40AA
Epson 12 ft PUSB Cable	7NX62AA
Epson 6 FT Serial Black Cable	2KH41AA
Epson 6 ft PUSB Cable	2KH43AA
Epson 6 ft USB Cable Black	1C5A0AA
HP 6 ft PUSB Cable Black	5C2B8AA
HP 6 ft USB Cable Black	5C2B7AA
HP Cable Pack for Dual HP Cash Drawers	QT538AA
HP Engage Flex Pro 12V PUSB Standard Card	5KM97AA
HP Engage Flex Pro 24V Powered USB/Cash Drawer Module 4VW72AA	4VW72AA
HP Engage Flex Pro Powered Serial Port Card (Female Pair) 4VW71AA	4VW71AA
HP Engage Flex Pro Powered Serial Port Card (Male Pair) 4VW70AA	4VW70AA
HP Engage Flex Pro-C G2 Dust Filter	9R6G1AA
HP Engage Flex Pro-C Wall Mount/Security Sleeve 4VW76AA	4VW76AA
HP Engage One Prime RJ12 Dual CD Cbl Kit	5UU45AA
HP Heavy Duty Cash Drawer RL	8QX99AA

POS Bar Code and Magnetic Stripe Readers

Datalogic 4090 WRLS Charging Base	4P775AA
Datalogic 4190 WRLS Charging Base	4P776AA
Datalogic Gryphon GBT4500 2D Wireless Barcode Scanner	4P886AA
HP Engage 2D G2 Barcode Scanner	6Y2V4AA
HP Engage 2D G2 White Barcode Scanner	6Y2V5AA
HP Engage Imaging Barcode Scanner II	5YQ08AA
HP Engage Imaging Barcode Scanner II	5YQ08AT

HP Engage One Prime Barcode Scanner	638L9AA
HP Engage One Prime Barcode Scanner	638L9AT

POS Printer

Epson H6000V Hybrid POS Printer	4ZE21AA
Epson TM-88VI Serial Ethernet USB Printer only	2HV25AA
Epson TM-H6000VI Hybrid Printer	A1NL2AA
Epson TM-L90II Eth USB Thermal Label Printer	4J8H7AA
Epson TM-M30II	340U1AA
Epson TM-M30II Japan	38N27AA
Epson TM-M30II White	340U2AA
Epson TM-M30II White Japan	38N28AA
Epson TM-T20IIIL Serial USB	340U3AA
Epson TM-T88VII PUSB Thermal Printer	8G0G7AA
Epson TM-T88VII Serial Ethernet USB Thermal Printer	8G0G6AA
Epson TM88VI PUSB Printer only	6BC94AA
HP Engage HP Engage Serial Ethernet USB Thermal Printer	299U7AA
HP Engage PUSB Thermal Printer	299V0AA
HP Value Thermal Receipt Printer	4AK33AA

POS Cash Drawer

HD Cash Drawer Till 5B5C	31G54AA
HP Engage One Prime Cash Drawer	638M5AA
HP Heavy Duty Cash Drawer	FK182AA
HP Standard Duty Cash Drawer	QT457AA
HP Standard Duty Cash Drawer QT457AT	QT457AT
HP Standard Duty Till 4B8C	4Z4T1AA
HP Standard Duty Till 5B5C	4Z4T0AA
HP Standard Duty Till with Lockable Lid	QT458AA
Heavy Duty Till 4B8C Cash Drawer Till	54J44AA

POS Display Accessories

HP Engage One 10tw USB-C Retail W 3FH67A8	3FH67A8
HP Engage One 10w USB-C Retail W 3FH66A8	3FH66A8
HP 7010t Touch Monitor	T6N30A8
HP 7010t Touch Monitor	T6N30AA

HP 7014 RPOS Monitor	T6N31A8
HP 7014 RPOS Monitor	T6N31AA
HP 7014t Touch Monitor	T6N32A8
HP 7014t Touch Monitor	T6N32AA
HP Engage 10 HD No Stand + Vesa Mount Monitor	3F1W8AA
HP Engage 10t HD No Stand + Vesa Mount Monitor	3F1W9A7
HP Engage 10t HD No Stand + Vesa Mount Monitor	3F1W9AA
HP Engage 14 FHD No Stand+No VESA Monitor - 14	8X037AA
HP Engage 14t FHD No Stand+No VESA Monitor	42C90AA
HP Engage 14t FHD No Stand+No VESA Monitor - 14t	8X078AA
HP Engage 15t XGA No Stand Monitor	67Q84AA
HP Engage 16t FHD Magnetic Strip Reader No Stand Monitor	2D9Z4AA
HP Engage 16t FHD Magnetic Strip Reader No Stand+No VESA Monitor - 16t	8Q3W5AA
HP Engage 16t FHD No Stand+No VESA Monitor - 16t	8Q3N2AA
HP Engage 2x20 Black Pole Display	6K553AA
HP Engage 6.6 inch Display	9YH48AA
HP Engage 6.6 inch Pole Display	10P79AA
HP Engage 6.6 inch White Display	156N8AA
HP Engage One 10 Display	1XD80A7
HP Engage One 10 Display	1XD80AA
HP Engage One 10t Display	1XD81A7
HP Engage One 10t Display	1XD81AA
HP Engage One W 10.1-inch Display	3FH66AA
HP Engage One W 10.1-inch Touch Display	3FH67AA
HP L7016t 15.6-IN RPOS TM	V1X13A8
HP L7016t 15.6-IN RPOS TM	V1X13AA

POS Monitors and Accessories

HP Engage 14 Standalone Stand	4A2G1AA
HP Engage 14 VESA Plate	4A2G2AA
HP Engage 16t Column Stand	4A2F9AA
HP Engage 16t VESA Plate	4A2G0AA
HP Engage Stability Mount Stand Attachment	4A2F8AA
HP Monitor Stand for L7010t L7014 and L7014t	T6N33AA
HP Monitor Stand for L7016t	W0Q45AA

POS Fingerprint Readers

HP Engage One Fingerprint Reader	1RL98AA

POS Keyboard

HP POS USB USB Keyboard	FK221AA
HP POS USB USB Keyboard	FK221AT
HP POS USB USB Keyboard with MSR	FK218AA
HP POS USB USB Keyboard with MSR	FK218AT

Expansion Solution and Controller Cards

Remote Interfaces

HP Anyware Integrated Flex Pro Remote System Controller	9B141AA

Chassis and Chassis Accessories

Brackets/Bezels/Panels

HP rp5800 Rear Port/Cable Control Cover	QP909AA

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