HP Engage Flex Pro-C G2 Retail System (B0VF2UA)



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	Intel® Celeron® processor
Processor	Intel® Celeron® G6900E (3.0 GHz base frequency, 4 MB L3 cache, 2 cores, 2 threads)[6]
Chipset	Intel® Q670
Memory	128 GB DDR5-4800 MT/s (4 x 32 GB)
Memory Slots	4 DIMM
Internal Storage	1 TB PCIe® NVMe™ SSD
Internal drive bays	Two 2.5"; Two M.2
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics 710
Audio	Realtek ALC3252 codec, universal audio jack, headset and headphone front ports (3.5 mm), multi-streaming capable
Minimum dimensions (W x D x H)	30 x 30.2 x 10 cm
Minimum 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
Ports	1 HP Fiber NIC Port Flex IO
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	198828155740

Additional specifications

Certifications and compliances	IEC 60601-1-2
External I/O ports footnote number	[11]
I/O Port location	Front
I/O Port location	Rear
Memory layout (slots & size)	4 x 32 GB
Memory size	128
Memory size uom	GB
Memory speed	4800
Memory speed uom	MHz
Memory type	DDR5
Number of memory slots	4
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	4 MB L3
Processor core	2
Processor family	Celeron®
Processor maximum frequency	3.0
Processor maximum frequency uom	GHz
Processor model	G6900E
Processor threads	2
Standard memory note	Transfer rates up to 4800 MT/s.
Storage capacity	1
Storage capacity uom 01	TB
Storage interface 01	PCIe®
Storage interface protocol 01	NVMe™
Storage type	SSD
Storage type 01	SSD
UNSPSC code	43211505

[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.

[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 DisplayPort Port Flex IO v2	13L54AT	obsolete
HP HDMI Port Flex IO v2	13L55AA	
HP HDMI Port Flex IO v2	13L55AT	obsolete
HP PCIe x1 Parallel Port Card	N1M40AA	
HP PCIe x1 Parallel Port Card	N1M40AT	obsolete
HP Type-C USB 3.1 Gen2 Port Flex IO v2	13L59AA	
HP USB 3.1 Gen1 x2 Module Flex IO v2	13L58AA	
HP VGA Port Flex IO v2	13L53AA	
Intel I225V Single Port 2.5GbE PCIe NIC	406L9AA	

Keyboards/Other Input Devices

Wired Keyboards

HP 125 Wired Keyboard	266C9AA	
HP Wired Desktop 320K Keyboard	9SR37AA	
HP Wired Desktop 320K 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	265A9AA
HP 125 Wired Mouse	265A9AT
HP 125 Wired Mouse	265A9UT
HP 128 Laser Wired Mouse	265D9AA
HP Wired Desktop 320M Mouse	9VA80AA
HP Wired Desktop 320M Mouse	9VA80UT

Security

Security Cables

HP Business PC Security Lock v3 Kit	3XJ17AA
HP Keyed Cable Lock 10 mm	T1A62AA

Accessories

Point of Sales System Options

★ : Recommended

POS Terminal Accessories

60W Printer AC Adapter	3A2P5AA
Datalogic 1500i Presentation Scanner	9BU50AA
Datalogic 1500i Whi Presentation Scanner	3F568AA
Datalogic 3450Vsi Presentation Scanner	7UZ38AA
Epson 12 FT PUSB Cable	7NX62AA
Epson 6FT PUSB Dark Gray Cable	1C5A0AA
HP 6 Foot PUSB Black Cable	5C2B8AA
HP 6 Foot USB Black Cable	5C2B7AA
HP Cable Pack for Dual HP Cash Drawer	QT538AA
HP Engage Flex Pro 12V PUSB Standard Card	5KM97AA
HP Engage Flex Pro 24V USB/Cash Drawer	4VW72AA
HP Engage Flex Pro Serial Port (Female)	4VW71AA
HP Engage Flex Pro Serial Port (Male)	4VW70AA
HP Engage Flex Pro-C G2 Dust Filter	9R6G1AA
HP Engage Flex Pro-C WallMount/SecSleeve	4VW76AA
HP Engage Heavy Duty Cash Drawer RL	8QX99AA
HP Engage One Prime Cash Drawer Cable	5UU45AA

POS Bar Code and Magnetic Stripe Readers

Datalogic 4090 Wireless Charging Base	4P775AA
Datalogic 4190 Wireless 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-L90II Printer	4J8H7AA
Epson TM-T20IIIL Serial USB Printer	340U3AA
Epson TM-T88VII PUSB Thermal Printer	8G0G7AA
Epson TM-T88VII Serial Ethernet USB Thermal Printer	8G0G6AA
Epson TM-m30II Japan Printer	38N27AA
Epson TM-m30II Printer	340U1AA
Epson TM-m30II White Japan Printer	38N28AA
Epson TM-m30II White Printer	340U2AA
Epson TM88VI PUSB Printer only	6BC94AA
HP Engage PUSB Thermal Printer	299V0AA
HP Engage Serial Ethernet USB Thermal Printer	299U7AA
HP Value Thermal Receipt Printer	4AK33AA

POS Cash Drawer

HD Cash Drawer Till 5B5C	31G54AA
HP Cash Drawer	54J44AA
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
HP Standard Duty Till with Lockable Lid	QT458AA
HP Standard Duty Till with Lockable Lid	QT458AT
HP USB Standard Duty Cash Drawer	E8E45AA
Standard Duty Cash Drawer Till 4B8C	4Z4T1AA
Standard Duty Cash Drawer Till 5B5C	4Z4T0AA

POS Display Accessories

HP Engage 10 HD No Stand + VESA Mount Monitor	3F1W8A7
HP Engage 10 HD No Stand + VESA Mount Monitor	3F1W8AA
HP Engage 10t HD No Stand + VESA Mount Monitor	3F1W9AA
HP Engage 14 FHD No Stand and No VESA Monitor	42C50AA
HP Engage 14t FHD Monitor	42C90AA
HP Engage 15t XGA No Stand Monitor	67Q84AA
HP Engage 16t FHD MSR Monitor	2D9Z4AA
HP Engage 16t FHD Monitor	2D9X0AA

HP Engage 2x20 Customer Facing Pole Display	6K553AA
HP Engage 6.6 inch Display with Payment	156P0AA
HP Engage 6.6 inch Display without Payment	10P74AA
HP Engage 6.6 inch Pole Display	10P79AA
HP Engage 6.6 inch White Display	156N8AA
HP Engage One 10.1-inch Display	1XD80A7
HP Engage One 10.1-inch Display	1XD80AA
HP Engage One 10.1-inch Display	1XD81A7
HP Engage One 10.1-inch Touch Display	1XD81AA
HP Engage One W 10.1-inch Display	3FH66A8
HP Engage One W 10.1-inch Display	3FH66AA
HP Engage One W 10.1-inch Touch Display	3FH67A8
HP Engage One W 10.1-inch Touch Display	3FH67AA
HP L7010t 10.1-inch Retail Touch Monitor	T6N30A8
HP L7010t 10.1-inch Retail Touch Monitor	T6N30AA
HP L7014 14-inch Retail Monitor	T6N31A8
HP L7014 14-inch Retail Monitor	T6N31AA
HP L7014t 14-inch Retail Touch Monitor	T6N32A8
HP L7016t 15.6-inch Retail Touch Monitor	V1X13A8
HP L7016t 15.6-inch Retail Touch Monitor	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 Keyboard

HP POS USB Keyboard	FK221AA
HP POS USB Keyboard	FK221AT
HP POS USB Keyboard with Magnetic Stripe Reader	FK218AA
HP POS USB Keyboard with Magnetic Stripe Reader	FK218AT

Batteries/Chargers/Adapters

Power Supplies

Epson PS-180 50W AC Adapter	2KH39AA

Expansion Solution and Controller Cards

Remote Interfaces

HP 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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