

HP Elite x3 Mobile Retail Solution



The 3-in-1 barcode scanning solution designed to streamline workflows and keep customers happy

Enable optimal customer experiences, associate productivity, and manager agility with the HP Elite x3 Mobile Retail Solution, a Windows® handheld and barcode scanner that switches to a full PC.¹



Fast, flexible scanning, everywhere you need it

Help associates work smarter with an easy-to-carry, accurate scanning solution that accepts 1D, 2D, OCR font and hard-to-read barcodes, and supports full symbology for store floors, receiving or outdoor ticketing.

Free your manager from the back office

Improve agility when you easily switch from a handheld to a PC-like experience for complex managerial tasks when you dock and connect to a large display, keyboard, and mouse.

Efficient workflows

Deliver quality customer service with real-time access to product details and pricing and fast, accurate scans, both indoors and outdoors, plus integrated motion-tolerance to scan items on the move.

Designed to go where you go

Deploy a slim, lightweight solution that is easy for store managers and associates to carry and place in a pocket or apron and has a convenient side button for one-handed scanning.

Additional Features

- Integrated motion-tolerance works great when moving quickly down the aisles.
- The comfortable, slim, lightweight jacket and scanner are designed exclusively for the HP Elite x3. The combined solution is 15mm thin, weighs under 285g, and has a convenient dedicated side button for quick scanning with one hand.
- Check pricing and schedules and locate inventory on the massive high-resolution 5.96" diagonal Corning® Gorilla® Glass 4 screen that even works with gloved hands.²
- Keep working with battery life up to 15 hours³, support for wireless⁴ and dual-mode charging, and reliable connectivity on the floor and on the move from integrated LTE⁵, Wi-Fi⁶, and Bluetooth®.
- Get robust app support with HP Workspace⁷, which virtualizes 32- and 64-bit desktop applications for use with the docked HP Elite x3 Mobile Retail Solution.⁷
- Entrust a device that's ready for immaculate retail stores, wet kitchens, and dusty warehouses with drop testing to 6 ft⁸ and an IP67 rating¹⁰ for dust and water resistance.



Barcode Scanner and Jacket - Specifications

Dimensions (H x L x W)	6.68 x 0.83 x 3.59 in (16.97 x 2.12 x 9.14 cm)	
Weight	0.2 lb (92 g)	
Color	Black	
Decode capabilities	Decode capabilities Reads standard 1D, PDF,2D, Postal and OCR symbologies	
Standard Range (SR) Optics	Symbology/X-Dim 00% U.P.C. 46 mm 5 mil Code 39 46 mm 10 mil Code 39 28 mm 6.7 mil PDF417 46 mm 10 mil Data Matrix	Typical Range¹² 419 mm (1.8" – 16.5") 419 mm (1.8" – 16.5") 338 mm (1.1" – 13.3") 185 mm (1.8" - 7.3") 53 mm 203 mm (2.1" – 8.0") Resolution, linear barcodes: 0.127 mm (5.0 mil) Resolution, 2D matrix codes: 0.169 mm (6.7 mil)
External I/O Ports	Pogo Pins	
Interface	Full speed USB between HP Elite x3 and Elite x3 Barcode Scanner & Jacket through Pogo Pins	
Compatibility/ System requirements	Compatible with HP Elite x3	
Application software	Via third party application developers	
Development environment	Microsoft Universal Windows Platform	
Feature Summary	Buttons: Scan button, Power button, Volume buttons Camera: Access to HP Elite x3 cameras and LED flash Expected hours of operation: Up to 15 hours ³ (half scanning, half -sleep); Up to 10 hours ³ (half scanning, half idle)	
Audio	Access to HP Elite x3 speaker, microphone, and headphone audio jack	
Input Voltage	3.6V~4.4V	
Country of origin	China	
Kit contents	HP Elite x3 Mobile Retail Solution; Dedicated Top Cover for HP Elite x3 Desk Dock; Quick Start Guide; Warranty Card	
Service and support	HP Services offers a 1-year limited warranty. Internal batteries have the same 1-year limited warranty as the platform. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: http://www.hp.com/go/cpc	
Environmental	Operating temperature: 0°C – 50°C Storage temperature: -40°C – 70°C Humidity: 10%-90% Durability: Designed to pass MIL-STD 810G8 and 6 feet drop testing ¹⁰ Environmental sealing: IP67 ¹¹ ESD: ±8 KV Direct & ±15 KV Air	



HP Elite x3 - Specifications

Product Design	Graphite with chrome
Available Operating System	Windows 10 Mobile ²⁸
Available Processors	Qualcomm® Snapdragon 820 (2.15 GHz, 4 cores) ²²
Chipset	Qualcomm® MSM8996
Internal Storage	64 GB eMMC 5.1 ¹⁵
Display	5.96" diagonal WQHD AMOLED 494 PPI multitouch-enabled (2560 x 1440) ²¹ ; 16:9 aspect ratio 350 nits
Available Graphics	Qualcomm® Adreno 530 GPU (integrated in Qualcomm Snapdragon 820 processor)
Audio	2 Stereo speakers (one with earpiece); 3 integrated omni-directional noise cancelling microphones; 1 external microphone (from headset jack); Snapdragon Audio+ support; Audio by B&O PLAY
Wireless Technologies	802.11a/b/g/n/ac (2x2) WiFi and Bluetooth® 4.0 LE combo (Miracast supported); NFC; WWAN: 2G/3G/4G, LTE-A with carrier aggregation, GSM only. ^{5,6,14,15,17,18,19}
Expansion Slots	1 microSD ¹⁶ (Expandable up to 2 TB; Share same slot with 2nd SIM on Dual SIM model)
Ports and Connectors	One 3.5 mm both 3 and 4 pole headphone jack; 1 USB 3.0 Type-C™ connector; Single SIM (Nano-SIM) model or Dual SIM model (Dual Nano-SIM, Dual Stand-by); Pogo pins
Camera	16 MP rear-facing camera, 8 MP front facing camera and Iris camera
Available Software	HP Workspace; HP Device Hub; HP All-in-One Remote; Skype; Remote Desktop; AirWatch (via MDM settings); MobileIron (via MDM settings); HP Touchpoint Manager (via MDM settings); VPN profile setup from settings menu; Salesforce universal app; Winzip Universal; Word Mobile; Excel Mobile; PowerPoint Mobile; OneNote; OneDrive; Microsoft Edge; Continuum; Cortana; Please refer to HP Elite x3 Retail QuickSpecs document for a full list of pre-installed software. ^{23,24, 25,26,27}
Security Management	Elite x3 device has dual biometric authentication with Iris recognition and Fingerprint reader, FIPS 140-2 cryptography; Qualcomm processor includes Secure Boot, 128-bit key Unified Image Encryption, 256-bit key Full Disk Encryption, Anti roll back and fTPM 2.0 security; Windows 10 includes 128 key Bitlocker encryption and Enterprise grade VPN ²⁵
Dimensions	3.29 x 0.31 x 6.36 in 83.5 x 7.8 x 161.8 mm
Weight	Starting at 0.43 lb Starting at 194 g
Power	10 W 5V/2A adapter; Wireless charging, WPC(Qi)/PMA dual mode ⁴
Sensors	Ambient light sensor + proximity combo; Accelerometer + gyro; eCompass; Pressure; Hall effect; NFC; GPS
Expansion Solutions	HP Elite x3 Desk Dock V5H01AA; HP Elite x3 Lap Dock Y4T08AA; HP Elite x3 Wireless Charger W9A82AA; HP 12W USB Auto Power Adapter G4H12AA; HP Elite x3 Rugged Case V8Z63AA; HP Elite x3 Anti-Shatter Glass Screen Protector W8W94AA
Durability features	Passed IP 67, providing seals against water and dust ingress to IP 67 rating. ¹⁰ ; Passed MIL-STD 810G and 4 feet drop testing ¹⁰

1. Optional dock required and sold separately. Peripherals sold separately.
2. Supports gloves type 101.
3. Actual battery times will vary depending on the network conditions, settings, configuration, individual usage pattern and other conditions. Use of wireless and backlight will significantly decrease battery run time. Maximum capacity will naturally decrease with time and usage.
4. HP Elite x3 Wireless Charger sold separately.
5. GSM only. LTE requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products, in all regions.
6. Wireless access point and Internet service required. Availability of public wireless access points limited.
7. HP Workspace license required. Requires the HP Elite x3 Mobile Scanning Solution to be docked with the HP Elite x3 Desk Dock or connected to the HP Elite x3 Lap Dock, each sold separately or as part of a solution bundle. Corporate application must be licensed on corporate network for virtualization.
8. MIL-STD testing is pending and is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Damage under the MIL STD test conditions or any accidental damage requires an optional HP Accidental Damage Protection Care Pack.
9. HP Total Test Process Test results are not a guarantee of future performance under these test conditions. Damage under the test conditions or any accidental damage requires an optional HP Accidental Damage Protection Care Pack.
10. IP 67 test results are not a guarantee of future performance under these test conditions. Damage under the test conditions or any accidental damage requires an optional HP Accidental Damage Protection Care Pack.
11. The drop test was performed in accordance with MIL-STD-810G, Method 516.6, Procedure IV. The objective of this test was to determine whether the unit was operational after being dropped from desk height. Damage under the test conditions or any accidental damage requires an optional HP Accidental Damage Protection Care Pack.
12. Performance may be impacted by barcode quality and environmental condition.
13. Actual battery times will vary depending on the network conditions, settings, configuration, individual usage pattern and other conditions. Use of wireless and backlight will significantly decrease battery run time. Maximum capacity will naturally decrease with time and usage. Tested by HP using 720p (1280x720), video media file, single SIM, 200 nits brightness, airplane mode on, volume level at 50% with wired headset inserted. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage.
14. Wireless charging requires the optional HP Elite x3 Wireless Charger and is sold separately.
15. For storage, GB = 1 billion bytes. Actual formatted capacity is less. Up to 8 GB is reserved for system recovery software.
16. MicroSD cards sold separately. Supports up to 2 TB capacity when this capacity becomes available.
17. For all 802.11 wireless, wireless access point and Internet service is required and is not included. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ac WLAN devices.
18. WWAN requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products, and in all regions.
19. Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming media players that also support Miracast. You can use Miracast to share what you're doing on your PC and present a slide show. For more information: <http://windows.microsoft.com/en-us/windows-8/project-wireless-screen-miracast>.
20. MIL-STD 810G is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. MIL-STD 810G test results are not a guarantee of future performance under these test conditions. Damage under the MIL-STD 810G test conditions or any accidental damage requires an optional HP Accidental Damage Protection Care Pack.
21. WQHD content required to view WQHD images.
22. Multicore 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. Qualcomm's numbering is not a measurement of clock speed.
23. HP Workspace subscription required. Corporate application must be licensed on corporate network for virtualization. Requires the HP Elite x3 to be docked with the HP Elite x3 Desk Dock or connected to the HP Elite x3 Lap Dock, each sold separately or as part of a solution bundle.
24. Skype is not offered in China.
25. AirWatch, Obiletron and HP Touchpoint Manager will need to be configured by user/IT manager.
26. Salesforce subscription required. The preinstalled Salesforce app is a link to its web-based version.
27. Check website for Cortana availability <http://windows.microsoft.com/en-us/windows-10/cortanas-regions-and-languages#v1h=tab01>
28. Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 Mobile is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>.

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