# Welcome

| Date: | Time: | The Radisson Blu |
|---|---|---|
| 21st September | 15h00 – 19h30 | 141 Av. Marginal, Maputo |



DCC
DRIVE CONTROL
CORPORATION (PTY) LTD

# Agenda

| | |
|---|---|
| 15h00 – 16h00: | Arrival and Registration |
| 16h00 – 16h15: | Welcome by DCC – Valy de Louvado<br><br>- DCC Branch Manager Mozambique |
| 16h15 – 17h00: | HP Print Update by Amanda Van Der Linde<br>– HP Category Manager Hardware Office Printing Solutions |
| 17h00 – 17h15: | Break |
| 17h15 – 18h00: | HP PC Update by Francois van Wijk<br>– DCC HP General Manager |
| 18h00 – 18h15: | Q & A Session |
| 18h15 – 18h30: | HP & DCC Awards Ceremony |
| 18h30 – 19h30: | Networking Session with Refreshments |

DCC
DRIVE CONTROL
CORPORATION (PTY) LTD

# The DCC Brands

DCC is a leading distributor of broad-based IT

HP COMPUTING UPDATE

# HP NOTEBOOK PORTFOLIO

## DRAGONFLY G3
NEW ID

Cutting edge innovation and experiences. Industry-leading weight thresholds,. Life-like collaboration

- Lightest and thinnest
- OLED panel option
- Quad Speakers
- Top Edge Mics
- Appearance Filter

## ELITEBOOK 1000
NEW ID

Redefining the lightweight corporate standard enhanced collaboration contextual experiences

- Super light weight

## ELITEBOOK 800/805
NEW ID

The gold standard for corporate enhanced collaboration robust connectivity

- Enhanced video conferencing experience
- Enhanced audio & discrete amps
- 5G connectivity (Intel only)
- Ambient light & color sensors
- Embedded Sure Recover
- HP Auto Lock and Awake
- HP Context Aware (Intel only)

## ELITEBOOK 600/605
REFRESH

Bringing premium to all employees. Enterprise security and manageability.
Performance for DT Transitions Configurability & flexibility

- Management w/ Intel vPro/AMD DASH
- Enterprise security
- Smart card reader
- Thunderbolt (Intel only)
- Global series

## PROBOOK 400/405

Modern Design for growing companies
Performance for DT transitions

- Aluminum A/C chassis
- Business-class security
- Higher level of MIL-STD durability

## HP 200/205

Stay connected with Powerful technology

- Latest processor technology
- Essential business features

EXPERIENCE UPGRADES

HARDWARE UPGRADES

| HP 200/205 | PROBOOK 400/405 | ELITEBOOK 600/605 | ELITEBOOK 800/805 | ELITEBOOK 1000 | DRAGONFLY G3 |
|---|---|---|---|---|---|
| 15" Plastic chassis Clamshell | 14"/15" Aluminum A/C covers Clamshell & x360 | 13/14/15" Aluminum A/C covers Clamshell | 13/14/16" All aluminum chassis Clamshell & x360 | 14" Magnesium chassis Clamshell & x360 | 13.5" Magnesium chassis Clamshell |
| Intel and AMD 15W 28W | Intel and AMD 15W 28W | Intel and AMD 15W 28W(Intel only) | Intel and AMD 15W 28W | Intel 15W | Intel 15W |
| 16:9 Display | 16:9 Display | 16:9 Display | 16:10 Display | 16:10 Display | 3:2 Display |
| HD TNR Camera | HD TNR Camera | HD TNR Camera | 5MP Camera | 5MP Camera | 5MP MIPI Camera |
| DDR4 Memory | DDR4 Memory | DDR4 Memory | DDR5 Memory | DDR5 Memory | LPDDR5 Memory |
| Wi-Fi 6 WLAN | Wi-Fi 6E WLAN / 4G WWAN | Wi-Fi 6E WLAN / 4G WWAN | Wi-Fi 6E WLAN / 5G WWAN | Wi-Fi 6E WLAN / 5G WWAN | Wi-Fi 6E WLAN / 5G WWAN |

# HP 200 & 205 SERIES

## POWERED FOR BUSINESS

# WHAT'S NEW

## HP 200 & 205 Notebook PC

### GROWING YOUR BUSINESS WITH THE LATEST TECHNOLOGY

- Intel® 12th / 13th gen processors[1]
- Latest AMD Ryzen™ processor[2]
- Upgraded discrete graphics - Nvidia MX550 with 2GB GDDR6 memory
- 15" diagonal 300-nit high brightness panel options
- Up to 32GB memory[3]
- New backlit keyboard option[3]
- Passed13 MIL-STD 810H tests for durability[4]
- HP Quick Drop[5] to wireless move files between your PC and mobile device

### ENHANCED SECURITY

- Optional hardened fingerprint sensor[3]
- Optional hardware TPM protection[3]

### SEAMLESSLY COMMUNICATE AND COLLABORATE

- HD Camera with Temporal Noise Reduction[6]
- Dual-array microphone
- HP AI Noise Reduction[6] uses noise-filtering technology to enhance audio and video conferencing experience even while wearing a mask.

# HP 470

## BIG SCREEN PRODUCTIVITY ON THE GO

# WHAT'S NEW

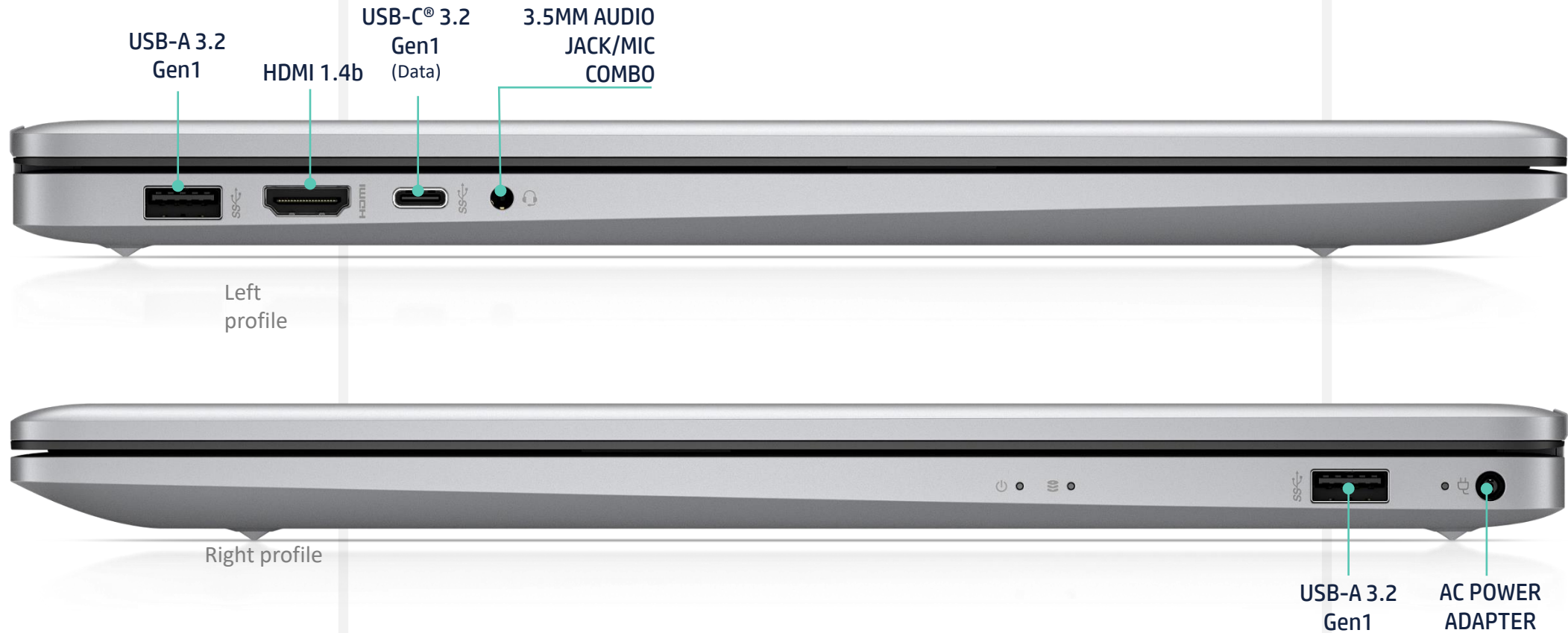## HP 470 Notebook PC

## DESIGNED FOR PRODUCTIVITY

- Intel® 12th / 13th gen processors[1]
- Upgraded discrete graphics - Nvidia MX550 with 2GB GDDR6 memory
- Up to 32GB memory[2]
- HP Quick Drop[3] to wirelessly move files between your PC and mobile device
- Upgrade to optional flicker-free panel

## SEAMLESSLY COMMUNICATE AND COLLABORATE

- HD Camera with Temporal Noise Reduction[4]
- HP AI Noise Reduction[4] uses noise-filtering technology to enhance audio and video conferencing experience even while wearing a mask.

# PORTS TO KEEP YOU PRODUCTIVE

## HP 470

USB-A 3.2 Gen1

HDMI 1.4b

USB-C® 3.2 Gen1 (Data)

3.5MM AUDIO JACK/MIC COMBO

Left profile

Right profile

USB-A 3.2 Gen1

AC POWER ADAPTER

# HP PROBOOK 400 SERIES

## AN IDEAL CHOICE FOR GROWING BUSINESS

# WHAT'S NEW

## HP PROBOOK
### 440 14" Notebook PC
### 450 15.6" Notebook PC

## GROWING YOUR BUSINESS WITH LATEST TECHNOLOGY

- 12th / 13th Gen Intel® processor[1]
- Upgrade discrete graphic to NVIDIA® GeForce ® MX570 with 2GB GDDR6[3]
- Support WWAN[23] as external SIM[9]
- Configurable second SSD Storage
- HDMI 2.1
- Upgrade to Wi-Fi 6E[20]
- Optional long battery life option[10] (51.3Whr)[44]

## ENHANCED SECURITY

- Secure and manageable PC for growing business
- HP Wolf Pro Security for Business[5]:  HP Sure Start Gen7[12], HP Sure Sense[13], HP Sure Click[16], HP Sure View Reflect[6], HP Sure Erase[36], Self-encrypting drive option
- Optional Tamper Lock[17] providing business protection
- Tile™[21,22] support to monitor the physical location of your PC

## NEW TO THE SERIES

- IR camera or HD Camera with Temporal Noise Reduction[18]
- HP AI Noise Reduction[46]
- AI Content Classification, HP Super Resolution, HP Background Adjustment, Light improvement
- HP Quick Drop[6] , HP Quick Touch[39], myHP[43]

# UPSELL PATH

## PROBOOK 200 SERIES to PROBOOK 400 SERIES



**HP PROBOOK 400 SERIES**

### DESIGN AND PERFORMANCE

- USB-C® w/ Power Delivery & DisplayPort™
- Full metal chassis for discrete
- 180-degree hinge
- Optional WWAN LTE /4G[23]
- FHD low power, 400 nits  or TS option
- Spill-resistance keyboard
- Upgradeable to Wi-Fi 6E[20]
- Battery Options: 42.75 or 51.3 Whr; 41Whr (200 series only)

### COLLABORATION

- Dual-array microphones
- Louder audio with richer bass
- Temporal Noise Reduction HD Camera[18]

### SECURITY

- Platform recovery
- HP Tamper Lock[17]
- HP Wolf Security for Business[5]
- Tile™ (Intel® Wi-Fi® only)[21, 22]

**HP PROBOOK 200 SERIES**

# WHAT'S NEW

## HP PRO

## x360 435 13.3" Notebook PC

## BEST VALUE WITH CONVERTIBLE AND ESSENTIAL COMMERCIAL FEATURES

- 128GB value-2230 SSD
- 2 TB PCIe® 2280 NVMe™ TLC M.2 SSD
- 1x USB-C® 3.1 Gen2
- HDMI 2.0b
- Upgrade to Wi-Fi 6e[20]

## ENHANCED SECURITY

- Secure and manageable PC for growing business
- HP Wolf Security Pro for Business[5]:  HP Sure Start[12], HP Sure Sense[13], HP Sure Run[14], HP Sure Recover (cloud) [15], HP Sure Click[16], HP Sure View Reflect[6]
- Optional Tamper Lock[17] providing business protection

## NEW TO THE SERIES

- Latest AMD processor[2] with greater performance
- Active Pen[28] with pressure level 4096 and rechargeable solutions

# HP ELITEBOOK 600 SERIES

## A COST-EFFECTIVE, POWERFUL, MANAGEABLE PC WITH STRONG SECURITY

# WHAT'S NEW

HP EliteBook
630 Notebook PC
640 Notebook PC
650 Notebook PC

## LIGHTWEIGHT DESIGN, SUPERB PRODUCTIVITY
- myHP[2] app to enable hardware and software innovations from HP. This single dashboard houses access to settings for conferencing, the programmable key, and more
- Take more of your files with you on the road with an optional second SSD drive.[29] (not available on EliteBook 630)
- Optional Larger Battery[29] (51.3whr)[31] for a longer lasting battery (not available on EliteBook 630)
- Transfer documents, photos, videos, and more between your mobile devices and your PC using HP QuickDrop[3]
- Optional NVIDIA® GeForce® MX570

## BUILT FOR TODAY'S IT, RESILIENT FOR TOMORROW'S NEEDS
- HP Tamper Lock[4] protects your PC from physical intrusion
- HP Wolf Security for Business[5] creates a hardware-enforced, always-on, resilient defense

## SEAMLESSLY COMMUNICATE, COLLABORATE, AND CONNECT
- Bringing together HP Super Resolution[6], Backlight Adjustment, and Lowlight Adjustment features to improve video resolution, and image quality
- Temporal Noise Reduction[6] HD/HD+IR Camera with Wider Range of View providing a cleaner picture and better video experience
- Hear and be heard with HP AI Noise Reduction 2.0 with HP Clear Voice, HP Dynamic Audio and HP Sound Calibration

# SACRIFICE NOTHING

## Slim Design With Plenty Of Port Space
## HP ELITEBOOK 640/650

1. **External SIM Card Slot** (Optional)
2. **Audio Combo Jack**
3. **HDMI 2.1b Port** (Cable not included)
4. **SuperSpeed USB Type A** 5Gbps signaling rate port

5. **SuperSpeed USB Type A** 5Gbps signaling rate port
6. **Thunderbolt 4™** with USB4 Type C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)
7. **Power Connector**

**RIGHT PROFILE**
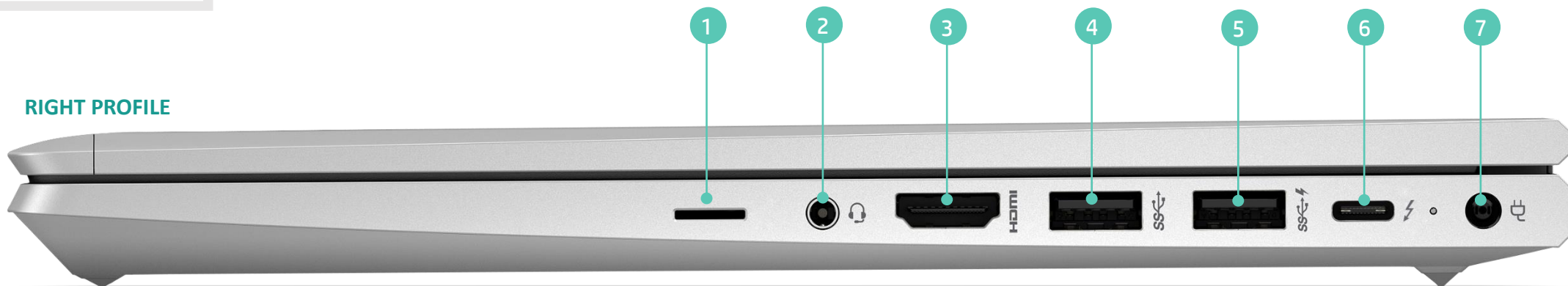
**LEFT PROFILE**

8. **Nano Security Lock Slot** (Lock sold separately)
9. **Ethernet Port (RJ-45)**
10. **SuperSpeed USB Type A** 5Gbps signaling rate port
11. **Smartcard Reader** (Optional)

# Intel Performance and Connectivity
## Feature comparison

| | Core | Intel vPro® Essentials | Intel vPro® Enterprise |
|---|---|---|---|
| **Optimized business performance** | | | |
| Get better productivity with less interruptions while multitasking.[1] | | | |
| Let your PC handle the most demanding business workloads with Performance-cores (P-cores), the highest performance cores Intel has ever built.[2] | ✓ | ✓ | ✓ |
| And when it comes to IT tasks running in the background, your PC will use Efficient-cores (E-cores), an all-new approach to multitasking and scalability, without impacting user experience | | | |
| **Strong, reliable, optimized connectivity** | | | |
| Collaborate with ease with the best Wi-Fi technologies for videoconferencing in a business environment.[3] | Optional | ✓ | ✓ |
| Enjoy faster online experiences by prioritizing the data that matters most. Allow for up to 30% faster speeds.[4] | Optional | ✓ | ✓ |
| **Boost productivity and collaboration** | | | |
| Boost productivity and collaboration wherever you are with Thunderbolt™ 4, which allows users to connect to power and peripherals with the fastest and simplest cable solution. | Optional | Optional | ✓ |

For workloads and configurations visit www.Intel.com/PerformanceIndex. Results may vary.
1. On select SKUs only; requires OS enablement. More details at [backup*].
2. Not available on certain 12th Gen Intel Core processors. More details at [backup*].
3. 6 GHz Wi-Fi 6E operation requires use of Intel® Wi-Fi 6E (Gig+) products in conjunction with operating systems and routers/APs/Gateways that support Wi-Fi 6E, together with regional spectrum allocation & required regulatory certifications. Not available in all markets. Visit intel.com/PerformanceIndex (Connectivity) for details.
4. The Intel® Connectivity Performance Suite software application enables automated wireless traffic prioritization and connection optimization for Intel PC platforms configured with Intel® Wi-Fi 6E (Gig+) products. Test data represents best case results in a controlled local network to show relative platform performance differences with and without ICPS software application smart access point switching. More details at intel.com/PerformanceIndex (Connectivity).

# HP ELITEBOOK 600 SERIES

## PROBOOK 400 SERIES to ELITEBOOK 600 SERIES

600 Series

### SECURITY

- HP Client Security Manager Gen7[55] (Includes Sure Run Gen5[14] and Sure Recover Gen5[11])

- Optional Smart Card

### DESIGN AND PERFORMANCE

- Intel vPro Essentials & Intel vPro[33]

- UP to 64 GB DDR4-3200 SDRAM

- NFC Option

- 1 USB-C (Thunderbolt™[9])

400 Series

# HP ELITEBOOK 800 SERIES

## MEETING THE NEEDS OF COMPLEX WORK FROM ANYWHERE

# WHAT'S NEW

HP EliteBook
830 Notebook PC
840 Notebook PC
860 Notebook PC

intel

## LIGHTWEIGHT DESIGN, INTELLIGENT PRODUCTIVITY
- Premium ultraslim design with precision-crafted all-metal chassis for a premium look and feel
- 16:10 aspect ratio shows more on screen combined with ambient color sensing
- Larger clickpad surface and redesigned keyboard with discrete Page Up/Down/End/Home keys
- HP Eye Ease[56] reduces blue light right at the source without yellow color shift
- HP AI Noise Reduction 2.0[4] helps teams focus while collaborating by reducing background noise
- HP Dynamic Voice[4] leveling enables clear and intelligible voice pickup from a distance

## BUILT FOR TODAY'S IT, RESILIENT FOR TOMORROW'S NEEDS
- DDR5 memory provides 50% more bandwidth and doubles the data rate of DDR4
- PCIe Gen4 SSD support doubles data rates vs PCIe Gen3 drives
- Choose from 38Whr[57] (830/840 only), 51.3Whr, or 76Whr (860 only) batteries
- HP Wolf Security Console and Agent for a unified local console for all Wolf security
- HP TamperLock[5] physical intrusion security

## SEAMLESSLY COMMUNICATE, COLLABORATE, AND CONNECT
- 5MP camera[44] for higher resolution, more accurate color, auto face framing and more
- Separate 940nm IR camera for no red light and better outdoor performance gen over gen
- Bang & Olufsen audio with dedicated discrete amplifiers, dual user-facing mics with improved HP AI Noise Suppression 2.0[4]
- Get a fast and reliable connection in dense wireless environments with gigabit data rate[46] Wi-Fi 6E[10].
- Network Booster provides more network control by prioritizing network traffic or using both Wi-Fi® and 5G[7] simultaneously

hp

# WHAT'S NEW

HP Elite
x360 830 13-inch
2-in-1 Notebook PC

intel

## A SEAMLESS x360 EXPERIENCE OPTIMIZED FOR COMFORT AND PERFORMANCE

- 16:10 aspect ratio shows more on screen and reduces scrolling
- Larger clickpad surface and redesigned keyboard with discrete Page Up/Down/End/Home keys
- HP Eye Ease[56] reduces blue light right at the source without yellow color shift
- HP Dynamic Voice[4] leveling enables clear and intelligible voice pickup from a distance

## SEAMLESSLY COMMUNICATE, COLLABORATE, AND CONNECT

- 5MP camera[44] for higher resolution, more accurate color, auto face framing and more
- Separate 940nm IR camera for no red light and better outdoor performance gen over gen
- Bang & Olufsen audio with dedicated discrete amplifiers, dual user-facing mics with improved HP AI Noise Suppression 2.0[4]
- Get a fast and reliable connection in dense wireless environments with gigabit data rate[46] Wi-Fi 6E[10]
- Network Booster provides more network control by prioritizing network traffic or using both Wi-Fi® and 5G[7] simultaneously
- HP Auto Frame[38] allows you to move around a little without losing viewers' attention

## BUILT FOR TODAY'S IT, RESILIENT FOR TOMORROW'S NEEDS

- 12th / 13th gen Intel® processors[1]
- DDR5 memory provides 50% more bandwidth and doubles the data rate of DDR4
- PCIe Gen4 SSD support doubles data rates vs PCIe Gen3 drives
- Choose from 38Whr[57] or 51.3Whr batteries
- HP Wolf Security Console and Agent for a unified local console for all Wolf security
- HP Tamper Lock[5] physical intrusion security

# THE ALL NEW INTEL® EVO™[83]

Designed for people that always find a way to get work done, select configurations of the HP EliteBook 800 Series (and higher) meet the high-performance, responsiveness, long battery life, and stunning visual standards for the Intel® Evo™ Platform[83].

# SACRIFICE NOTHING

## ELITEBOOK 800 & 805 SERIES

**HDMI 2.0**

**USB 3.1 CHARGING PORT**

**USB-C®** Power delivery, Thunderbolt™ 4[17] (Intel® only)

Left profile

Right profile

**NANO SIM SLOT**

**NANO LOCK SLOT**

**USB 3.1 CHARGING PORT**

**3.5MM AUDIO JACK/MIC COMBO**
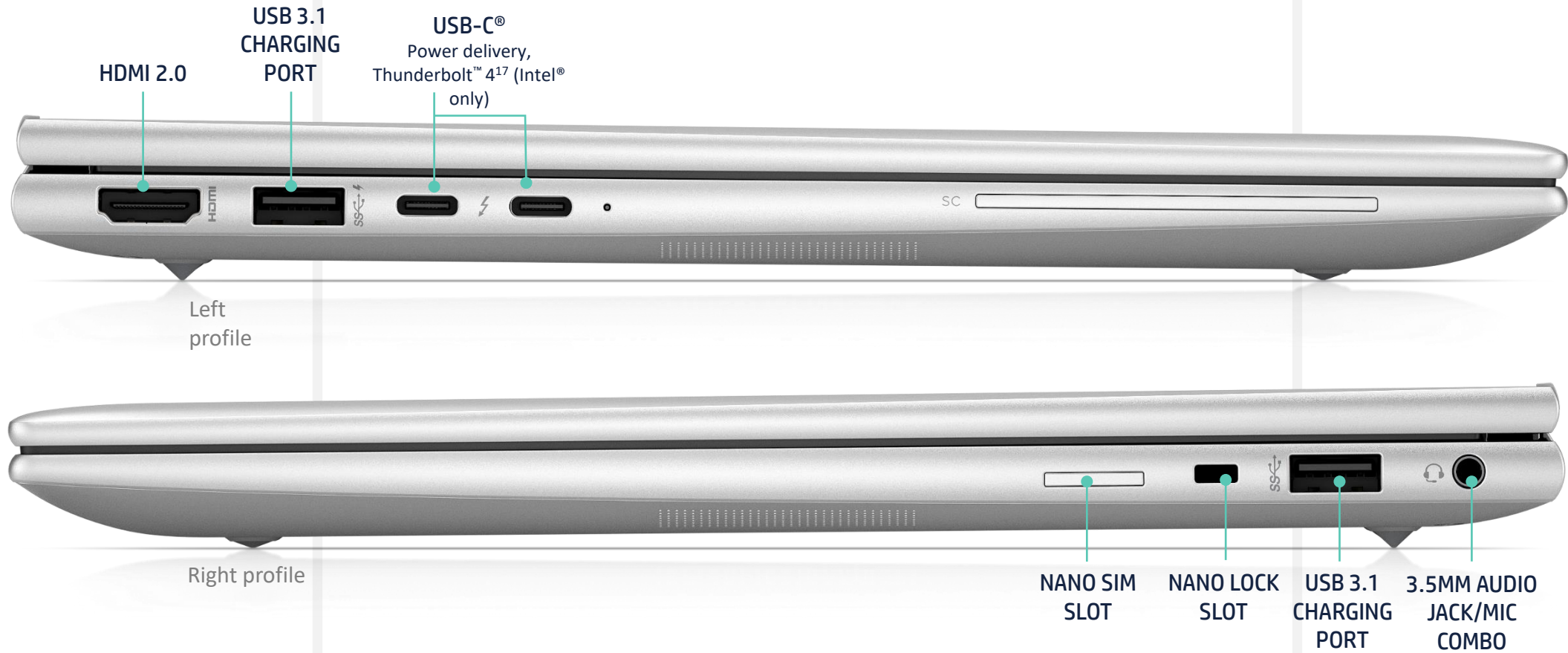
# UPSELL PATH

## ELITEBOOK 600 SERIES to ELITEBOOK 800 SERIES

**HP ELITEBOOK 800 SERIES**

### DESIGN AND PERFORMANCE

- 16:10 panel
- DDR5 memory speed
- Intel® EVO™[41]
- Thinner (0.8mm)
- CNC Aluminum (vs. stamped aluminum/plastic)
- More premium, higher resolution panels with ambient light/adaptive color sensor (starting with WUXGA panels vs. HD and FHD on 600)
- Latest 400nit panels with HP Eye Ease[56]
- On-lap/on-desk
- Auto Brightness
- Adaptive color[4]
- 2x Thunderbolt™ ports
- Comfortable glass clickpad and keyboard
- Power slider+

### COLLABORATION

- IR 940nm camera
- Louder audio with discrete amplifiers and richer bass
- 4G[18]/5G[7] with 4x4 antennae
- 5MP camera[44] with auto face framing[38]
- Audio by Bang & Olufsen,
- HP Dynamic Voice[4] Leveling

### SECURITY

- HP Sure Recover via embedded eMMC[32]
- Tile™[20]

**HP ELITEBOOK 600 SERIES**

# WHAT'S NEW

HP EliteBook 1040 Notebook PC
HP Elite x360 1040
2-in-1 Notebook PC

## LIGHTWEIGHT DESIGN, CONTEXT-INTELLIGENT PRODUCTIVITY

- NEW lighter design delivers best mix of portability and productivity
  - **HP EliteBook 1040 :** Starting at 2.6lbs[23]
  - **HP Elite x360 1040 :** Starting at 2.95lbs[23]
- Larger clickpad surface and 16:10 aspect ratio shows more on screen and reduces scrolling
- Redesigned keyboard with discrete Page Up/Down/End/Home keys
- HP Auto Lock and Awake[2] allows for secure hands-free log-in and out
- HP Context Aware[3] ensures the best balance of performance and comfort
- Optional low blue light panels so you can see images without color shift
- HP Dynamic Voice[4] leveling enables clear and intelligible voice pickup from a distance

## BUILT FOR TODAY'S IT, RESILIENT FOR TOMORROW'S NEEDS

- Intel® 12th / 13th gen processors[1,45,46]
- DDR5 memory provides 50% more bandwidth and doubles the data rate of DDR4
- Up to 64GB memory (EliteBook 1040 only)
- Up to 16GB memory (Elite x360 1040)
- Long battery life with options for 38Whr or 51Whr batteries[61]
- HP Wolf Security console[9] provides a unified view of your PC's security
- HP Tamper Lock[7] physical intrusion security

## SEAMLESSLY COMMUNICATE, COLLABORATE, AND CONNECT

- 5MP camera for higher resolution, more accurate color, and auto face framing
- Bang & Olufsen audio with four speakers and dedicated discrete amplifiers, dual user-facing mics
- HP AI Noise Reduction[4] uses noise-filtering technology to enhance audio and video conferencing experience even while wearing a mask.
- Treat your laptop like your phone with Wake-on Pickup and Screen Tap functionality

# UPSELL PATH

## ELITEBOOK 800 SERIES to ELITEBOOK 1000 SERIES

HP ELITEBOOK 1000 SERIES

HP ELITEBOOK 800 SERIES

### DESIGN AND PERFORMANCE

- Thinner (1.5mm on 400 NT WLAN SKU
- Lighter (0.5lb lighter than 840)
- All lightweight magnesium chassis
- Wake-on Touch
- HP Auto Lock and Awake[2]
- HP Context Aware[5]

# HP ELITE DRAGONFLY

## FREEDOM TO WORK YOUR WAY

# WHAT'S NEW

## HP Elite Dragonfly Notebook PC

### UPDATED LIGHTWEIGHT DESIGN

- **All-new clamshell 13.5" diagonal 3:2 aspect ratio** offering 13" diagonal portability with the height of a 15" diagonal notebook and the screen real estate of a 14" diagonal notebook. Both touch and non-touch panels offered.
- Offering a choice of colors: Slate Blue or Natural Silver
- Lightweight Magnesium material delivers an ultra-lightweight product that starts at less than 1kg[1]
- 0.33mm Corning® Gorilla® Glass for thinner and lighter glass
- Lighter, thinner, improved cooling thermal solution enables the thin design.

### BUILT FOR TODAY'S IT, RESILIENT FOR TOMORROW'S NEEDS

- 12th / 13th gen Intel® processor[2]
- Long battery life
- USB-C® ports on each side of the device allow user to dock & distribute connections from either side
- LPDDR5 memory is fast and efficient

### SEAMLESSLY COMMUNICATE, COLLABORATE, AND CONNECT

- 5MP camera for higher resolution, more accurate color, and auto face framing
- Two top edge mics
- Separate IR camera with no red light and better outdoor performance gen/gen
- New discrete amplifier

# UPSELL PATH

## ELITEBOOK 1040 to ELITE DRAGONFLY

**HP ELITE DRAGONFLY**

### DESIGN AND PERFORMANCE

- 3:2 Panel w/OLED Touch option and standard Eyesafe
- Slate Blue & Natural Silver
- Thinner (2mm)
- Lighter
- Long battery life (LPDDR5 and 45/68WHr)
- 90% Screen-to-body Ratio

### COLLABORATION

- Quad speakers with higher sound pressure level and richer bass (78dB/250Hz)
- Top edge microphones for optimal voice pickup and noise suppression
- Expanded Motion AI Experiences

### SECURITY

- Fingerprint Reader[25] on keyboard
- Electronic Privacy Camera Shutter[11]

**HP ELITEBOOK 1040**

# What's new

## HP Dragonfly Folio



### Improved productivity

- 12th / 13th generation Intel® Core™ processor[2]
- Increased performance with LPDDR5 (up to 32GB)
- Upgraded memory and storage (up to 2TB)[19]
- Thermal solution – enables high performance without adding significant weight or thickness
- Larger clickpad
- 3k x 2k OLED, Anti-Glare touch display options

### Security and manageability

- HP Wolf Pro Security Edition[24]
- HP Sure View Reflect[12]
- HP Sure Start/HP BIOS
- HP Camera Privacy Key
- HP Tamper Lock[26]

### Designed for hybrid work

- 8MP 100° FoV wide-angle webcam
- Top-edge mics
- Larger clickpad
- Pen with magnetic attachment and wireless charging
- Indirect inking[13]
- New System Control within Power Manager[14]
- **Enhanced by HP Presence[4]**
  - HP Auto Frame[5]
  - HP Background Adjustment[5]
  - HP Appearance Filter[5]
  - Backlight/Lowlight Improvement[5]
  - HP AI-based Noise Reduction 2.0[5]
  - HP Dynamic Voice Leveling[5]
  - Media Mode Audio Tuning[31]
  - HP Immersive Audio 2.0[31]
- **HP Smart Experiences**
  - Auto screen dimming[5]
  - Privacy Alert[5,8]

# HP COMMERCIAL DESKTOP
# PORTFOLIO OVERVIEW

| (intel) Pro 200 Series G9 Desktops | (intel) Pro 400 Series G9 Desktops | (intel) Pro 405 Series G8 Desktops | (intel) Elite 600 Series G9 Desktops | (intel) Elite 800 Series G9 Desktops | AMD Elite 805 Series G9 Desktops |
|---|---|---|---|---|---|
| Best value commercial desktop for **security, reliability and manageability** | **Everyday productivity and expandability** for your growing business | **Everyday productivity and expandability** for your growing business | Best value **Intel performance** and configurability | Our most **innovative designs** and **powerful experiences** | **Powerhouse performance** and **enterprise-grade** quality and reliability |
| Desktop Mini, Small Form Factor (SFF), Tower, All-in-One | Desktop Mini, Small Form Factor (SFF), Tower, All-in-One | Desktop Mini, Small Form Factor (SFF) | Desktop Mini, Small Form Factor (SFF), Tower | Desktop Mini, Small Form Factor (SFF), Tower, All-in-One | Desktop Mini, Small Form Factor (SFF) |
| • Good Intel® performance and configurability<br>• Security, reliability, manageability | • Good Intel® performance and configurability<br>• Security, reliability, manageability | • Good AMD performance and configurability<br>• Security, reliability, manageability | • Good Intel® performance and configurability<br>• Mainstream VR graphics[34]<br>• Security, reliability, manageability | • Superb Intel® performance<br>• Most configurable<br>• Premium VR graphics[34]<br>• Security, reliability, manageability | • Superb AMD performance<br>• Highly configurable<br>• Premium VR graphics[34]<br>• Security, reliability, manageability |

## MARKET SPECTRUM

**Small business** ←————————————————→ **Managed IT**

# New Z G5 Performance Desktop Family

## Z4 G5

- UP TO **24**-core CPU
- UP TO **2** high-end GPUs
- UP TO **512GB** of RAM

**Our best-selling workhorse. Now more powerful**

## Z6 G5

- UP TO **36**-core CPU
- UP TO **3** high-end GPUs
- UP TO **1TB** of RAM

**Unleash extreme graphics performance.**

## Z8 G5

- UP TO **64** (2x32)-core CPU
- UP TO **2** high-end GPUs
- UP TO **1TB** of RAM

**Take on processor-intensive workloads. Relentlessly.**

## Z8 Fury G5

- UP TO **56**-core CPU
- UP TO **4** high-end GPUs
- UP TO **2TB** of RAM

**Extreme performance. Infinite possibilities.**

# ZBook Series

## ZBook Firefly G10/G10A

16"

14"

intel

intel AMD

**Step up performance. Not size.**
- Most mobile ZBook for 2D and light 3D workflows
- Speedy multitasking and productivity with Intel or AMD CPU

## ZBook Power G10/G10A

15.6"

intel AMD

**Pro-certified power within reach.**
- Power through 3D workflows, 1080p editing, simulation and data analysis with Intel or AMD CPU and NVIDIA discrete graphics
- Durable premium device with optional 2K QHD display

## ZBook Studio G10

16"

intel

**Powerfully immersive. Perfectly sized.**
- Professional performance in a sleek PC for heavy 3D workflows, 4K+ editing, real time rendering and data visualization
- Highly configurable with multiple GPU options and large memory configurations

## ZBook Fury G10

16"

intel

**So powerful you'll forget it's a laptop.**
- Tackle heavy 3D workflows, 4K+ editing, machine learning, and simulation.
- Upgrade and expand with desktop-level storage and memory options

# PANEL AND ASPECT RATIO EVOLUTION

Productivity boost with bigger displays, trackpads & keyboards

Lead in premium with this panel shift to provide improved productivity

+ 7% **MORE** VERTICAL SPACE*

+ 11% **MORE** VERTICAL SPACE*

5% MORE VISUAL REAL ESTATE

11% MORE VISUAL REAL ESTATE

16:9

ALL G8 PLATFORMS
+ PROBOOK 400/ELITEBOOK 600 G9

16:10

ELITE 1000 & 800 G9 SERIES

More vertical real estate
Display closer to eye level
Larger clickpad and keyboard
Eye Ease^T7 low blue light option (400 nit and above)

3:2

ELITE DRAGONFLY G3

Best for highly mobile users
View more, scroll less
Higher position of integrated webcam
Larger clickpad, keyboard and battery
Eye Ease^T7 low blue light on all panels^T9

The market is shifting to a modern design with a more efficient aspect ratio with productivity benefits

*Compared to 13.3" 16:9

HP Confidential. For use by HP or Partner with Customers under HP CDA only. © 2021 HP Development Company, L.P. The information contained herein is subject to change without notice.

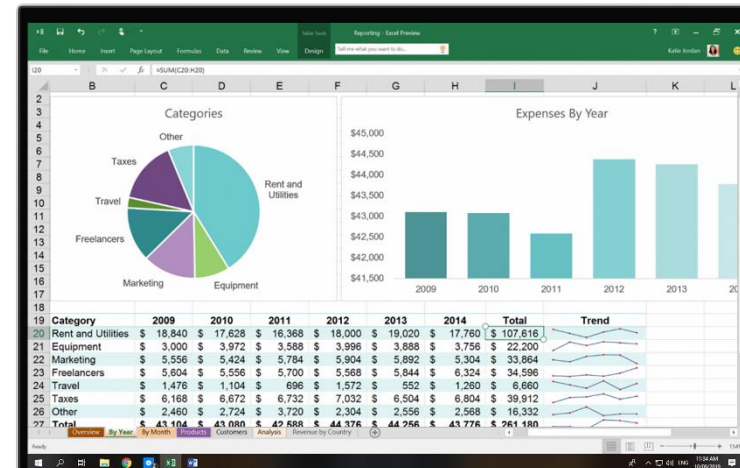# Microsoft – Excel
## 13" Inch Screen Ratio Compare

**16:9 13.3**

294.64.1mm x 165.1mm
75.6 Square inches of active area
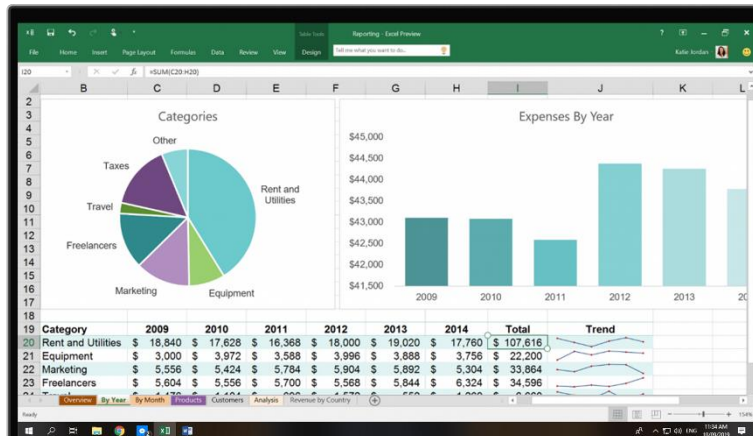
**16:10 13.3**

287mm x 177.8mm
79.5 Square inches of active area



- 16:10 Better for Excel than 16:9
- See more rows in Excel
- Stack of toolbars, etc. sandwiches content to small space

SEE MORE. SCROLL LESS.

HP ELITEBOOK 860

16.0" diagonal
touch or non-touch
screen options

16:10 aspect ratio
for more vertical
screen real estate

16.0"

HP EliteBook
850 G8

HP EliteBook
860 G9/G10

38% larger
touchpad
gen/gen

# NEXT-GEN MEMORY

## THAT FUELS SPEED & EFFICIENCY

**INDUSTRY-WIDE TRANSITION TO DDR5**

**DDR5 memory offers**

- 50% higher bandwidth for a faster and more responsive PC
- Dual channel DIMM architecture for more efficient access and better signal integrity
- On-die Error Correction Code removes burden on the CPU, increasing overall system efficiency
- Lower power consumption for better battery life
  - LPDDR5 has lowest power consumption

**DDR5 supported on:** EliteBook 800/805/1000

**LPDDR5 supported on:** Dragonfly

## 2022 platforms offer a broad range of flexible memory configurations:

- **Single or Dual channel options** (choose upgradeability or maximum performance)

- **DDR4** for more competitive pricing

- **DDR5** for latest technology and maximum performance

- **LPDDR5** for lowest power consumption yet maximum performance

# KEEP IT CLEAN

Your device can be wiped down repeatedly with common household cleaning wipes.[24]

## HP EASY CLEAN[21]

Disables the touchscreen, keyboard, and clickpad at the touch of a button to clean without powering off.

AS CLEAN AS THE WIPE[24]

# KEY CHANGES & INNOVATIONS

| | PROCESSOR | CHASSIS | PANELS | MEMORY | WEBCAM |
|---|---|---|---|---|---|
| **Dragonfly** | Intel ADL U15 | **New** | **3:2** | **LPDDR5** | **5MP** with wide field of view |
| **1000 Series** | Intel ADL U15 | **New** | **16:10** | **DDR5** | **5MP** with wide field of view |
| **800 Series** | Intel ADL U15/P28* | **New** | **16:10** | **DDR5** | **5MP** with wide field of view |
| **805 Series** | AMD REMBRANDT 15W/28W | **New** | **16:10** | **DDR5** | **5MP** with wide field of view |
| **600 Series** | Intel ADL U15/P28 | Cover A Change. (Elite branding) | Same (Sure View no longer offered in 15"). | Same (DDR4) | **720p HD** with temporal noise reduction |
| **605 Series** | AMD BARCELO | New platform based on 600 chassis | New platform with same options as 600 | DDR4 | **720p HD** with temporal noise reduction |
| **400 Series** | ADL U15/P28* | Same | Same (Sure View no longer offered in 15") | Same (DDR4) | **720p HD** with temporal noise reduction |
| **405 Series** | AMD BARCELO | Same | Same (Sure View no longer offered in 15") | Same (DDR4) | **720p HD** with temporal noise reduction |
| **200 Series** | ADL U15/P28 | Same | New 400 and 300 nit options | Same (DDR4) Up to 32GB | **720p HD** with temporal noise reduction |
| **205 Series** | AMD BARCELO | Same | New 400 and 300 nit options | Same (DDR4) Up to 32GB | **720p HD** with temporal noise reduction |

\* = ADL P28 not available on 13"

HP WOLF SECURITY

**Below the OS**  |  **In and Above the OS**

| Tamper Lock | Sure Start | Sure Recover | Sure Admin | Sure Run | Sure Access | Sure Sense | Sure Click | Credential Protection |

**ATTACKS PROTECTED**

| Protection against physical intrusion attacks like **Evil Maid** | Protection against BIOS Rootkits like **Sednit LoJax** | Recovery from Destructive Wiper attacks such as **NotPetya, Shamoon** | Protection against **Unauthorized Firmware Configuration Changes** | Application Persistence against AV deactivation attacks like **H1N1** | Secure privileged assets from OS malware like **Remote Access Toolkits** | Protection against malicious executables like **CryptoLocker, TrickBot** | Threat Containment for web or email-borne malware like **Emotet, Dridex** | Protect user passwords from **Credential Phishing** attacks |

# Security Across Product Lines

| | | HP ProBooks<br>400 Series | HP EliteBooks<br>600 Series | HP EliteBooks<br>805 Series (AMD) | HP EliteBooks<br>800 Series | HP EliteBooks<br>1000 Series | HP Elite Dragonfly |
|---|---|:---:|:---:|:---:|:---:|:---:|:---:|
| **Above the OS** | HP MIK/SCCM Gen5 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | HP Image Assistant | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | HP Sure View Reflect | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | HP Proactive Security (DaaS) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | HP Wolf Security | Optional | Optional | Optional | Optional | Optional | Optional |
| **In the OS** | HP Security Console (Neo) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Windows Hello for Authentication | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | HP Sure Run Gen5 | | ✓ | ✓ | ✓ | ✓ | ✓ |
| | HP Sure Recover Gen5 | | ✓ | ✓ | ✓ (+eMMC ) | ✓ (+eMMC) | ✓ |
| | HP Sure Click | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | HP Sure Sense | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| **Below the OS** | HP Secure Erase | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Self-Encrypting Drives | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Windows Bitlocker Encryption | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | **HP Sure Start Gen7 (Option ROM protection with AxB)** | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | HP Sure Admin | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | **HP Tamper Lock (NEW)** | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | **Seamless Firmware Update (NEW)** | ✓ | ✓ | | ✓ | ✓ | ✓ |
| | HP BIOSphere | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | **HP Endpoint Security Controller EC-21 (NEW)** | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

# Reliability and Quality

DESIGNED TO SURVIVE DAY-TO-DAY ACCIDENTS

## The HP Total Test Process

HP Total Test Process 50,000 steps

**Testing hours for EVERY system we launch**

**Z Desk based Workstation – 368,000 (Almost 41 years!!)**

**Desktops / Notebooks – 120,000**

### HP EliteBook Notebook PC

Back to product listing

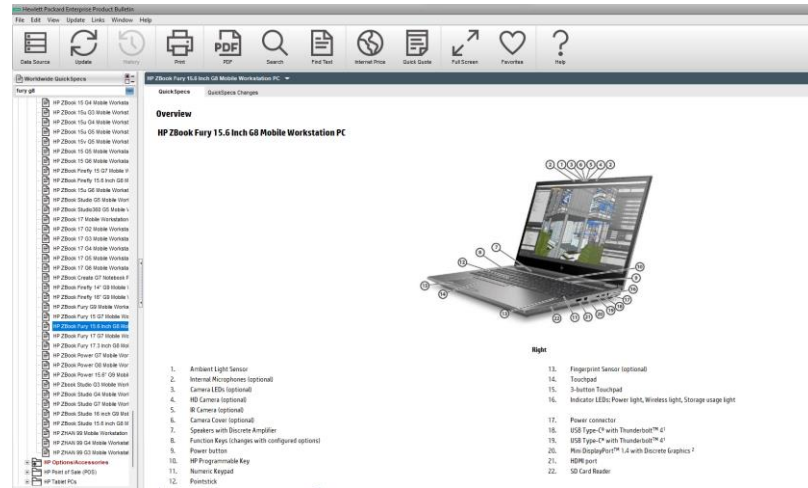| Test | HP EliteBook 830/840/850 G8 | HP EliteBook 835/845/855 G8 | HP EliteBook 840 Aero G8 | HP EliteBook 630/640/645/ 650/655 G9, G10 | HP EliteBook 830/840/860 835/845/865 G9, G10; 1040 G9/G10 |
|---|---|---|---|---|---|
| **Tested Under** | 810H | 810H | 810H | 810H | 810H |
| Drop | Passed | Passed | Passed | Passed | Passed |
| Functional Shock | Passed | Passed | Passed | Passed | Passed |
| Vibration (Category 4) | Passed | Passed | Passed | Passed | Passed |
| Vibration (Category 5) | Passed | Passed | Passed | Passed | Passed |
| Vibration (Category 24) | Passed | Passed | Passed | Passed | Passed |
| Dust | Passed | Passed | Passed | Passed | Passed |
| Humidity | Passed | Passed | Passed | Passed | Passed |
| Altitude (Procedure I) | Passed | Passed | Passed | Passed | Passed |
| Altitude (Procedure II) | Passed | Passed | Passed | Passed | Passed |
| High Temperature (Procedure I) | Passed | Passed | Passed | Passed | Passed |
| High Temperature (Procedure II) | Passed | Passed | Passed | Passed | Passed |
| Low Temperature (Procedure I) | Passed | Passed | Passed | Passed | Passed |
| Low Temperature (Procedure II) | Passed | Passed | Passed | Passed | Passed |
| Temperature Shock | Passed | Passed | Passed | Passed | Passed |
| Sand | Passed | Passed | Passed | Passed | Passed |
| Freeze/Thaw | Passed | Passed | Passed | Passed | Passed |
| Bench Handling Shock | Passed | Passed | Passed | Passed | Passed |
| Crash Hazard Shock | Passed | Passed | Passed | Passed | Passed |
| Transportation Shock | Passed | Passed | Passed | Passed | Passed |

## Shock



## Dust



## Drop
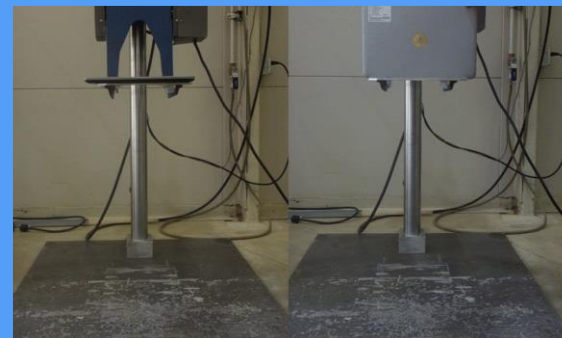


## Vibration

# Useful Links

## Product Bulletin



## Care Pack Central



https://cpc.ext.hp.com/portal/site/cpc/

## Product Finder



https://hpproductfinder.ext.hp.com/print-finder/grid

## HP Sales Central



https://www.hpsalescentral.com/
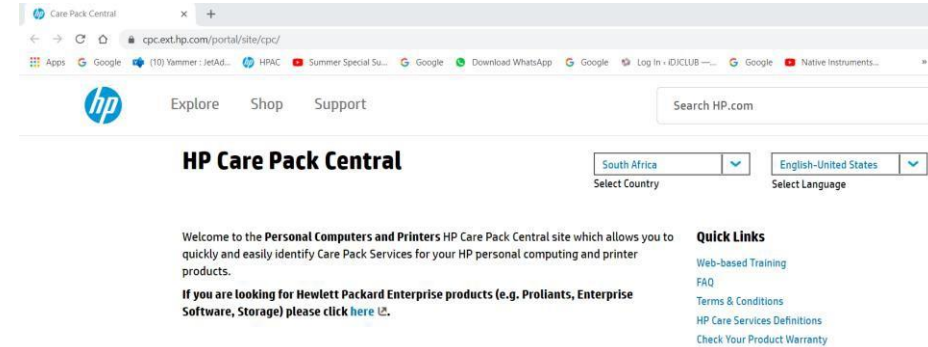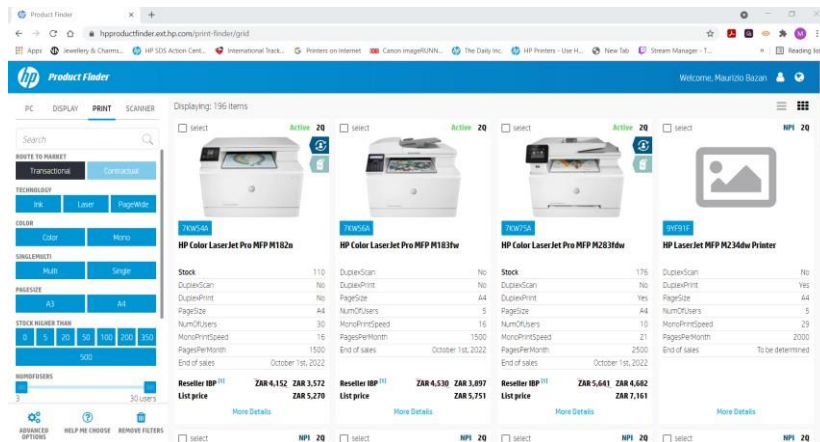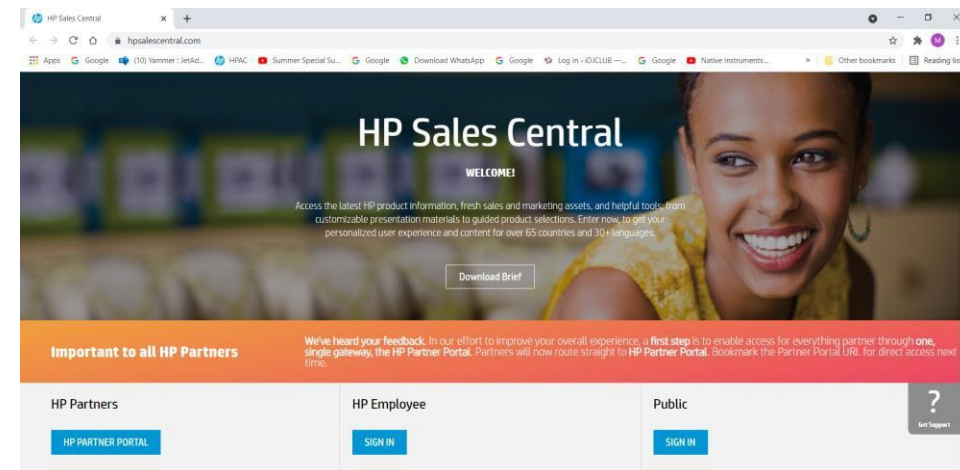
# Thank you!

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