Z BY HP

Mogens Balle, Category Manager – Client Solutions

ZBOOKS 2020
MOBILE PORTFOLIO
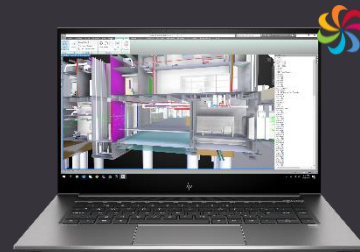
HP ZBook Firefly 14 G7
HP ZBook Firefly 15 G7

ZBook Create G7

ZBook Studio G7

ZBook Power G7

HP ZBook Fury 15 G7
HP ZBook Fury 17 G7

WORLD'S MOST SECURE AND MANAGEABLE MOBILE WORKSTATIONS[1][2]

ZBOOK 2020 PORTFOLIO

intel

BEST PERFORMANCE

BEST FOR 2D
ZBook Firefly 14 & 15

BEST FOR 3D, VR & DATA SCIENCE
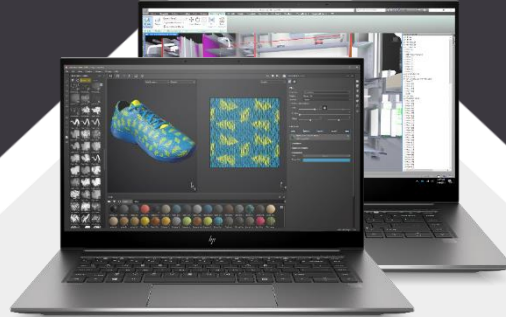## ZBook Fury 15 & 17

THE STANDARD FOR 3D, GRAPHICS & VIDEO
ZBook Studio & ZBook Create

BEST MOBILITY

BEST COST/PERFORMANCE

BEST FOR STEAM STUDENTS
ZBook Power

hp

Best option as suggested within the 2020 ZBook portfolio

ZBOOK POWER

ZBOOK PERFORMANCE
AT AN UBELIEVABLE VALUE

intel

HP

FOR THOSE WHO NEED
AFFORDABLE PERFORMANCE

HIGHER ED STEAM STUDENTS
Who need raw performance to handle 2D workflows, basic special effects and 3D work in a PC that is adaptable, stylish and friendly to a student budget

AEC/PD DESIGNERS & MEDIA PROS
Who manage workflows involving 2D and 3D modeling and need to stay within a relatively tight IT budget

POWER USERS
Who need workstation level performance with enterprise serviceability and manageability in a PC that is spec'd for government quotes spec'd (e.g. managed bios and smart card reader) and cost optimized for aggressive bids

Software
AutoCAD, SOLIDWORKS, Avid Pro Tools

ZBOOK POWER
KEY DIFFERENTIATORS

intel

Power through Intensive Workflows

- Blaze through 3D workloads with up to NVIDIA® Quadro® T2000 graphics
- Eliminate painful slowdowns with Intel® Xeon® and Core™ i9 processors, 64GB memory and dual 2TB M.2 SSDs

Certified. Secured. Supported.

- Get peace of mind with a secure PC that's certified for the professional apps you use every day
- HP Sure Suite security features and optional management tools come standard
- Designed for sustainability – materials, efficiency, packaging

Durable with a Premium Touch

- With an aluminum chassis and MIL-STD durability, this PC is premium, but tough enough to last
- Project details pop with a four-sided narrow bezel and optional 4K UHD display

hp

ZBook Power G7

9.4% LIGHTER
1,9 kg

18.9% SMALLER
359.4 x 233.95 x 22.95 mm

ENTERPRISE-READY
Smart Card reader & HP Security

IMPROVED GRAPHICS PERFORMANCE
Up to NVIDIA® Quadro® T2000

ZBOOK FURY 15
ZBOOK FURY 17

ULTIMATE Z PERFORMANCE
JUST GOT MORE PORTABLE!

INSIGHTS

CREATIVE PROS

POWER USERS

DATA SCIENCE

VIRTUAL REALITY

Need to be more productive

They need to **multi-task** while 3D projects are rendering or data is being processed in the background, without slowing down other applications

Global workforce becoming more mobile

By 2022, **42.5%** of the global workforce will be mobile **91%** growth in remote work over the last 10 years

New workstyles demand power

Customers expect laptops to be **light & sleek** and have the **performance of desktops**

Being productive while out of the office is crucial

They need to be **productive when out of the office**, which hasn't been easy with limited Wi-Fi access, no 4G and insufficient battery life that workstations have traditionally

ZBOOK FURY
DELIGHTERS

Unthrottled performance

- NVIDIA® Quadro® graphics up to RTX 5000
- 10th gen Intel® Core and Xeon® processors*
  Z VaporForce Thermals

Future Proof Expandability

- Desktop workstation-levels of storage and memory (10 TB Storage - 128 GB memory)
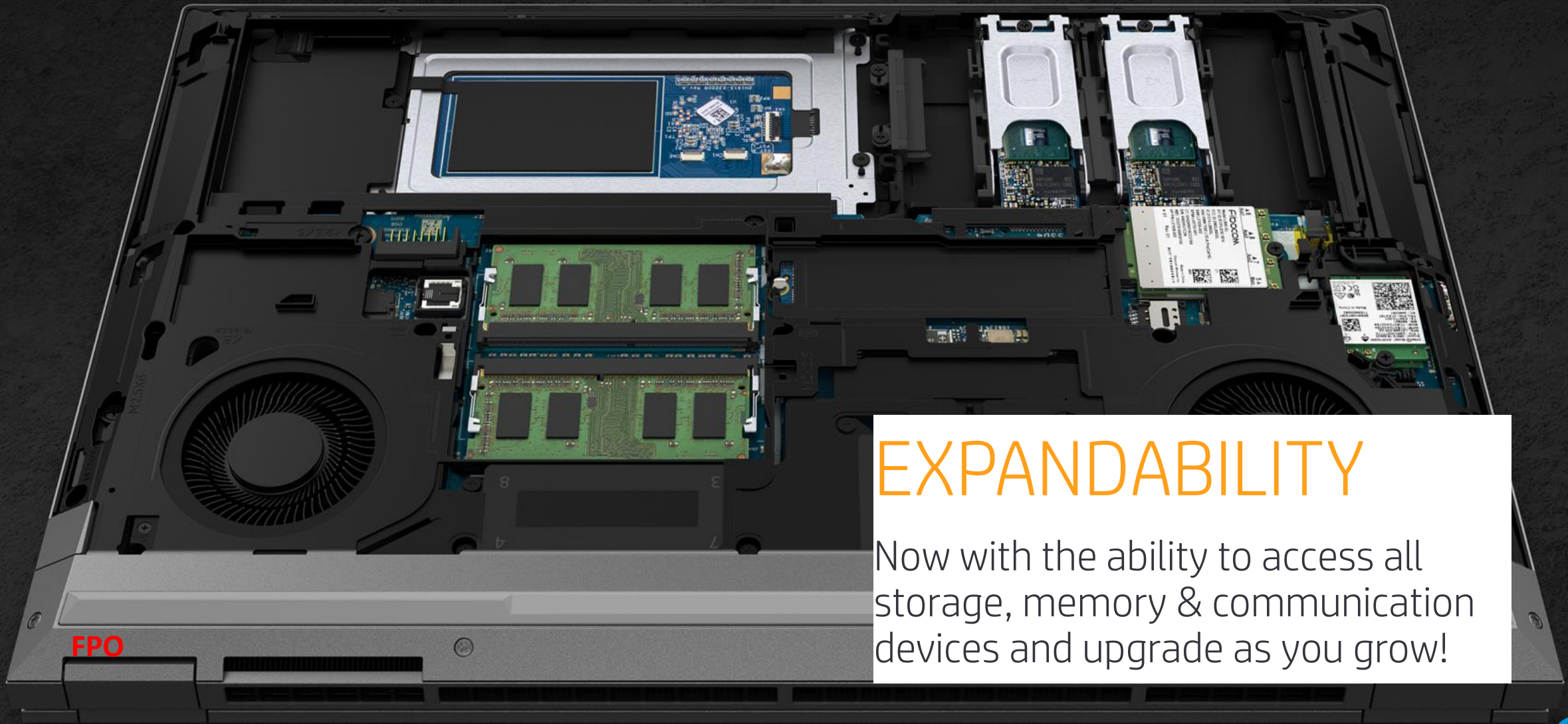- Easy to upgrade

Designed for Better Mobility

- HP Sure View Reflect[9]
- HP Tamper Lock
- Long-lasting battery life
- Lightweight aluminum and magnesium chassis

Next-Gen DreamColor Display

- Next Gen DreamColor - a billion on-screen colors**
- 100% DCI-P3 coverage
- VESA Display HDR 400 certified

*Intel® Xeon® processor will be available 2nd half of 2020
**8-bit+FRC = 10-bit (1 billion colors)

EXPANDABILITY

Now with the ability to access all storage, memory & communication devices and upgrade as you grow!

FPO

Internal components may differ from image shown based on your configuration.

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Latest Graphics Technology

HP integrates NVIDIA's and AMD's latest architectures – Turing and Navi – to provide broad solution alternatives for best-in-class graphics performance, price-performance, and performance per Watt power efficiencies.

———

In addition to professional GPUs for traditional markets and customers, HP will offer 'gaming' GPU option in G7 to better serve creatives who need a robust platform to develop content for targeted consumer experiences.

	ZBook Firefly 14 / 15	ZBook Power	ZBook Studio G7	ZBook Fury 15 / 17
NVIDIA Quadro P520 (4GB)	✓	–	–	–
NVIDIA Quadro P620 (4GB)	–	✓	–	–
NVIDIA Quadro T1000 with Max Q Design (4GB)	–	✓	✓	✓
NVIDIA Quadro T2000 with Max Q Design (4GB)	–	✓	✓	✓
NVIDIA Quadro RTX 3000 with Max Q Design (6GB)*	–	–	✓	✓*
NVIDIA Quadro RTX 4000 with Max Q Design (8GB)	–	–	✓	✓
NVIDIA Quadro RTX 5000 with Max Q Design (16GB)	–	–	✓	✓
AMD Radeon Pro W5500M (4GB)	–	–	–	✓
AMD Radeon RX 5500M (4GB)	–	–	–	✓

* Supports Max P Design in ZBook Fury 15 / 17

ZB15 vs Fury
COMPARISON

HP ZBook 15 G6

HP ZBook Fury 15 G7

WEIGHT

2,6 kg

SIZE

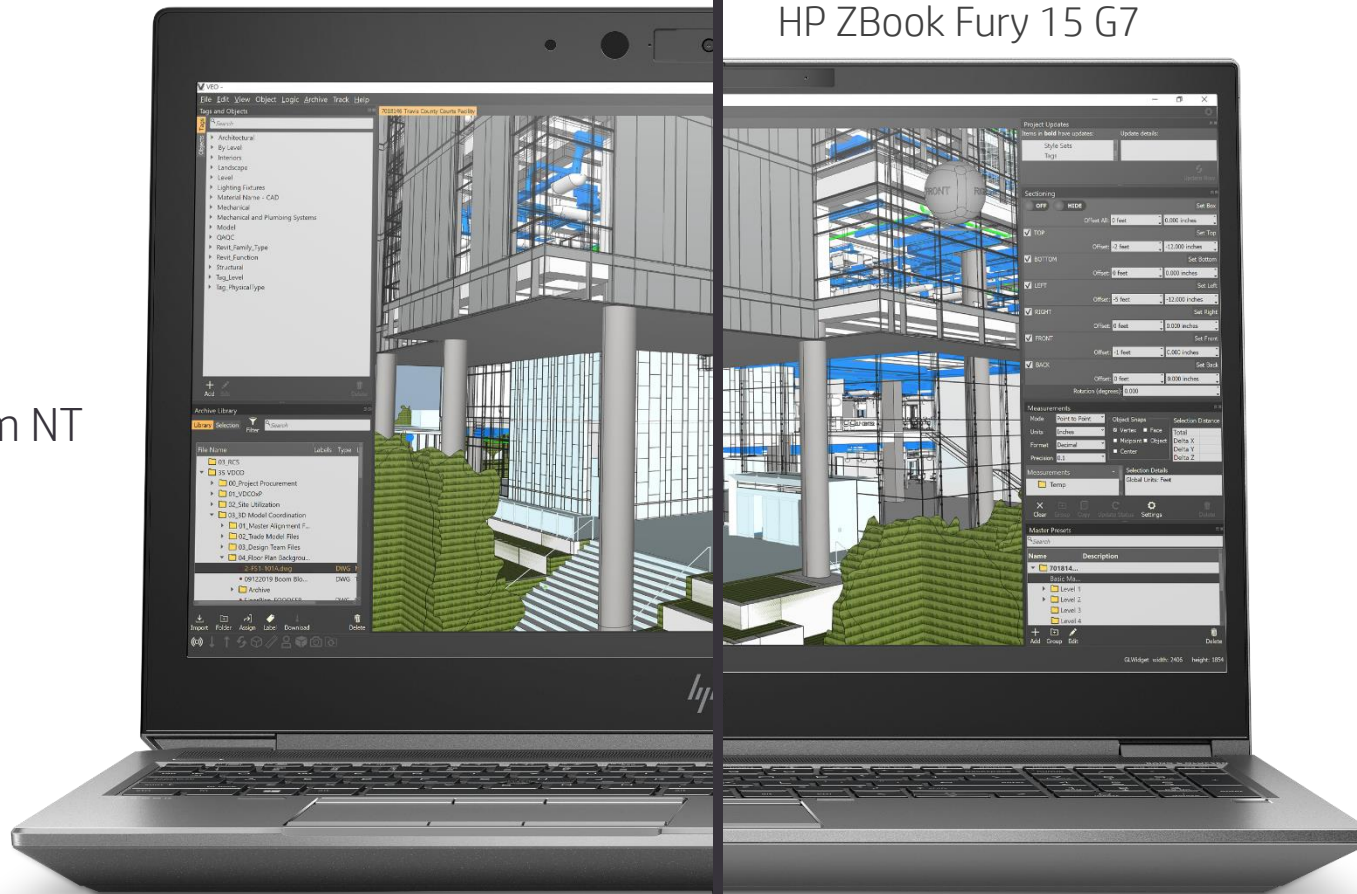376 x 264 x 26 mm NT

8% LIGHTER

2,4 kg

12% SMALLER

361 x 242.5 x 25.9 mm NT

UNTHROTTLED PERFORMANCE

Uninterrupted Productivity

FULLY VR-READY

NVIDIA® Quadro® RTX 4000 & 5000 with Mini-DP
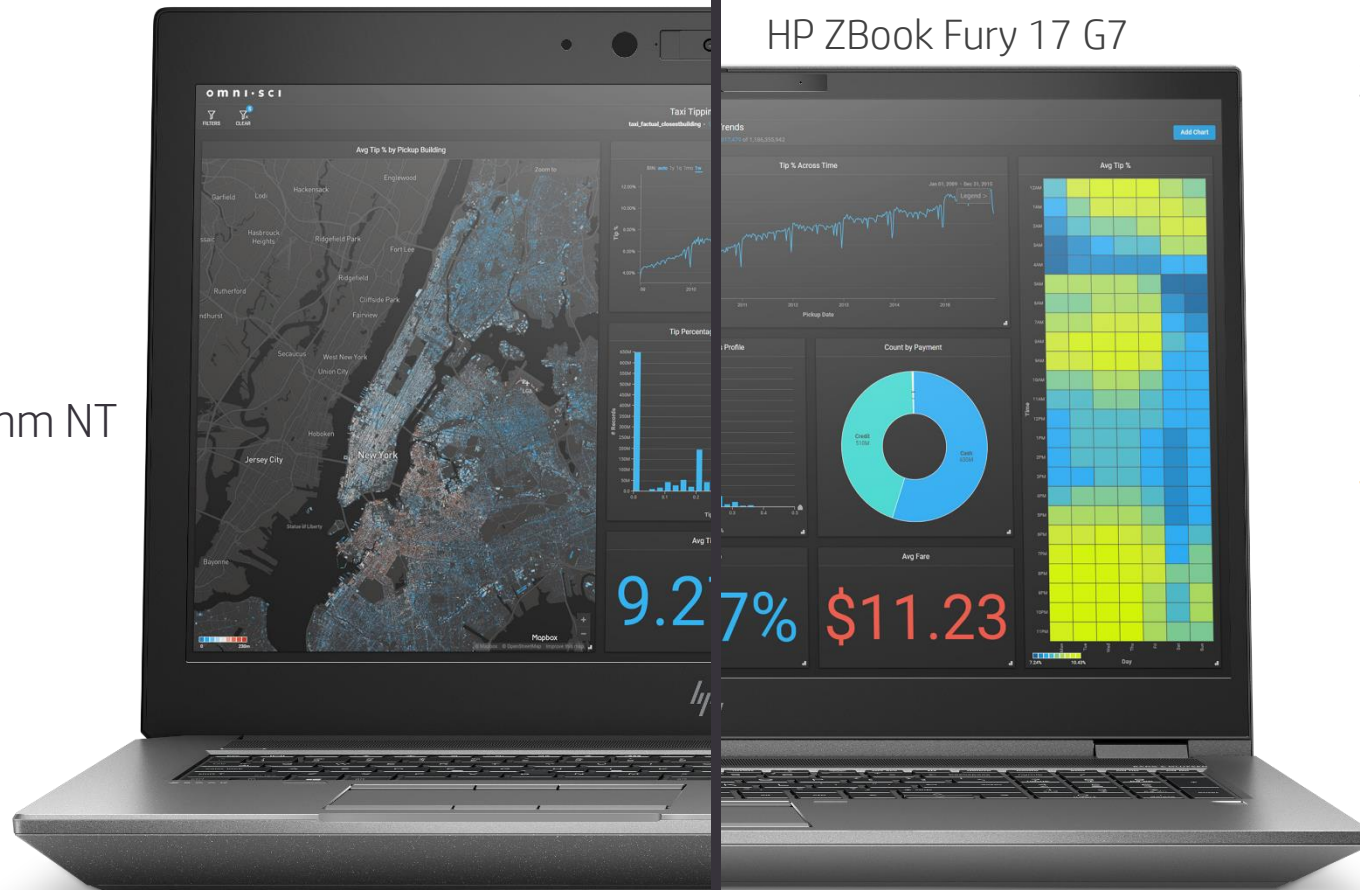
THE WORLD'S
MOST SUSTAINABLE
PC PORTFOLIO[27]

MEET YOUR SUSTAINABILITY GOALS WITH Z BY HP
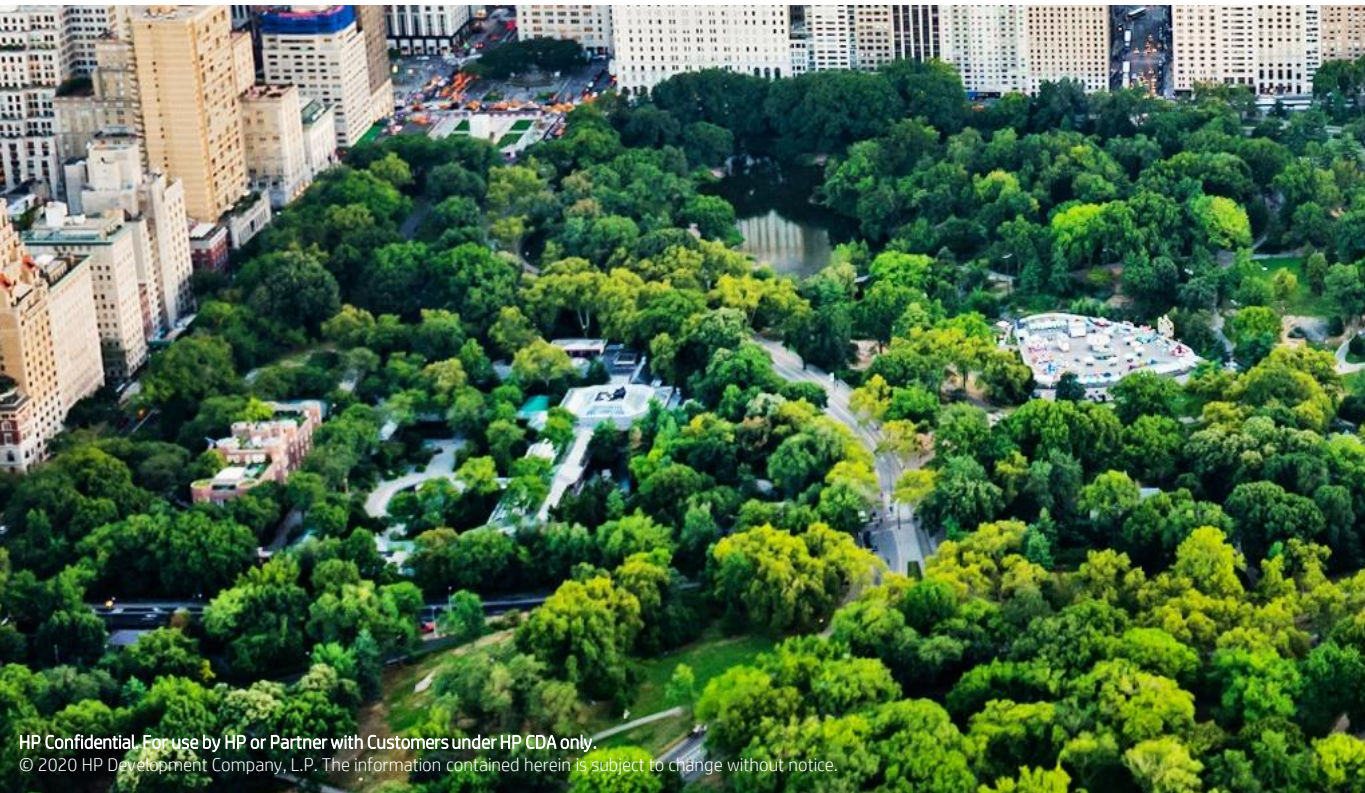
Planned to be
EPEAT® Gold[28]

Ocean-Bound
Plastic Usage[29]

Bulk Packaging

ENERGY STAR®
Certified

Plastic-Free Packaging
Cushions (molded pulp)

HP Z1 & Z2 G5

HP Z2 Tower G5
The World's most **expandable** entry workstation

HP Z2 Mini G5
World's most powerful mini workstation

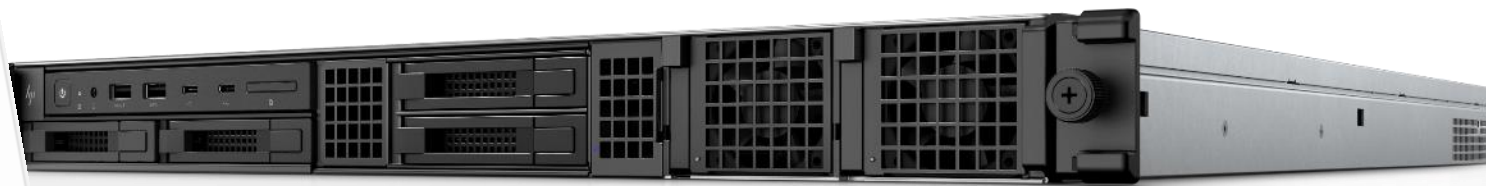HP Z1 Entry Tower G6
HP's most affordable desktop workstation

HP Z2 Small Form Factor G5
The world's most powerful SFF workstation

ION⁵

er Cost Option
Virtualization

Ideal for Edge
Deployment

Tak
– og på gensyn

HP ESSENTIAL[32] & PRO SECURITY[23,24] 2020

HARDWARE-ENFORCED PROTECTION

	DEVICE	IDENTITY	DATA
		HP MIK GEN4[8] Centralized Security Management	**HP IMAGE ASSISTANT** Enforcement, Monitoring and Analytics	
ABOVE THE OS			**HP SURE VIEW REFLECT****[9]** Built-in Reflective Privacy Screen **HP PRIVACY CAMERA*[10]** Built-in Camera privacy shutter
IN THE OS	**HP SURE RUN GEN3[11]** Custom App, Attacker, Add Dynamic Persistence & Kill Prevention		**HP SURE CLICK[12]** Added Edge & Firefox support, Auto Activation **HP SURE SENSE[13]** Additional platform support **HP PRO SECURITY[14,15]** Advanced Security with Sure Click Pro and Sure Sense Pro
BELOW THE OS	**HP TAMPER LOCK**[16]** Tamper Protection on ZBooks only **HP SURE RECOVER GEN3***[17,18]** Efficient Recovery & Add Wi-Fi Recovery **HP SURE START GEN6[19]** Endpoint Security Controller Protection **HP SURE ADMIN[20]** Backport to Kaby Lake R **HP BIOSPHERE GEN6[21]** Comprehensive BIOS Management	**HP CLIENT SECURITY MANAGER GEN6[22]** Local Security Management **HP MULTI-FACTOR AUTHENTICATION[23,24]** MFA, 3-factor, Face login **HP SPAREKEY** Self-service password recovery	**HP SECURE ERASE[25]** Permanent Data Removal on HDD/SSD **CERTIFIED SELF-ENCRYPTING DRIVES** HW Data Encryption

HP ENDPOINT SECURITY CONTROLLER

*Not available on ZBook Studio & ZBook Create
**Available on ZBook Firefly 14 (DSC base units only), ZBook Fury 15 & ZBook Fury 17
***HP Sure Recover Gen3 with Embedded Reimaging only available on ZBook Firefly 14 & ZBook Firefly 15
****Not available on ZBook Fury 17 & ZBook Power

HP TAMPER LOCK[16]

Providing protection from physical attacks, which involve disassembly of the system to modify the hardware or implant attacker hardware.

- Sensors to detect if the case has been opened, and rich policy controls to configure what action is taken if this has occurred.

- Other physical attack protections, such as DMA attack protection and protected storage via the HP Endpoint Controller hardware.

Attacks previously available only to nation states/highly skilled attackers are becoming democratized and readily available via open source.

FLASH REPLACEMENT ATTACKS	SIDE CHANNEL ATTACKS
MEMORY PROBING (DMA) ATTACKS	TPM PROBING ATTACKS