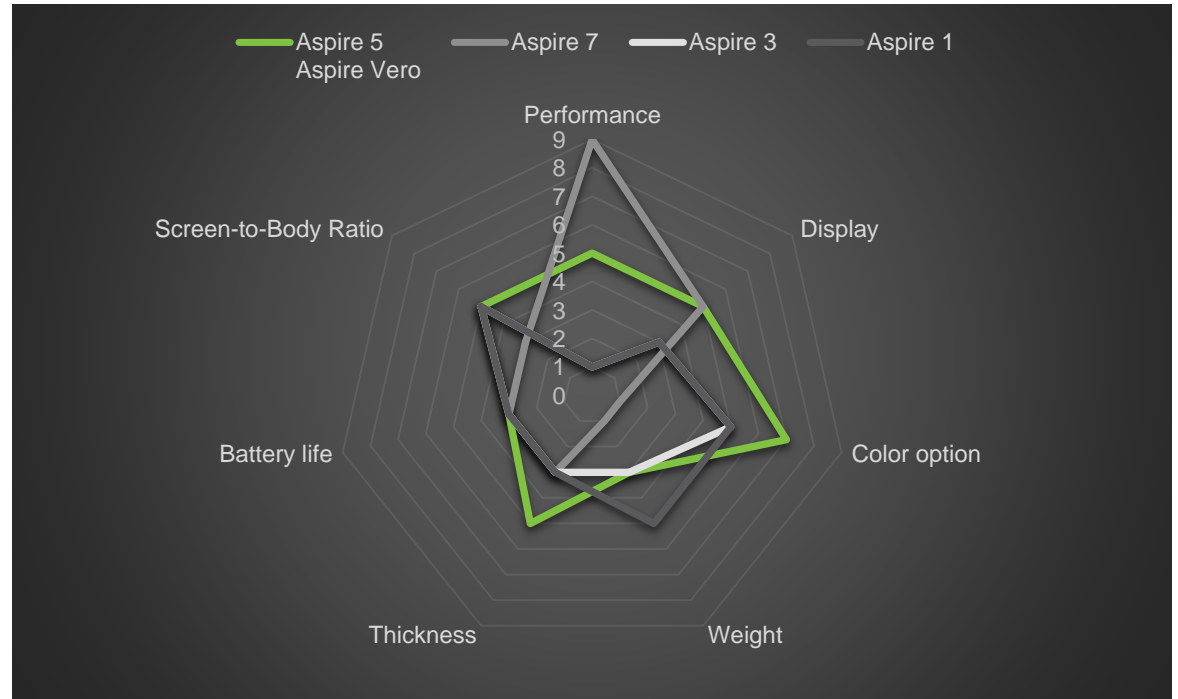




Aspire Comparison



	Score 1	Score 3	Score 5	Score 7	Score 9
Performance <small>**Add 1 score when use H CPU</small>	Small core UMA/DIS	Big core+ UMA	Big core + MX	Big core + GTX/DG1	Big core + RTX
Display	HD	FHD TN	FHD IPS/144Hz	QHD/2K	>QHD
Weight	>=2 kg	1.7-1.99 kg	1.4-1.69 kg	1.1-1.39 kg	<=1 kg
Thickness	>=22mm	18- 21.99 mm	15-17.99mm	10.1-14.99 mm	<=10mm
Battery life	<8 hr	8~11.9 hr	12~14.9hr	15~17.9 hr	>=18 hr
Color option	1	2	3	4	>=5



Aspire Vero

Designed to be easily repaired and upgraded, the eco-smart Vero is a testament to our commitment to sustainable operations. The volcano grey chassis includes 30% PCR¹ plastic, while mirrored 'R' and 'E' keys draw further attention to the core message of 'Reduce, Reuse, and Recycle.' The Vero also utilizes purpose-built-in software to further the personal goals of eco-minded users, such as energy-saving to extend battery life.

1. PCR stands for 'Post-Consumer Recycled'.



Target Audience

Eco-minded users

For users who require a laptop with big screen for their work or light entertainments which keeps up with the trends and meet their daily computing needs. These users require a stable laptop that combined qualified performance, smooth connectivity and efficiency that fulfilling all their task-related or entertainment needs anywhere. Its Eco-looking and Eco-friendly design is appreciated and valued.

Demographic

- Age 20-40 (Including Millennials & Gen Z)

TA Role

- Colleague Students
- Family users
- Office workers

Usage

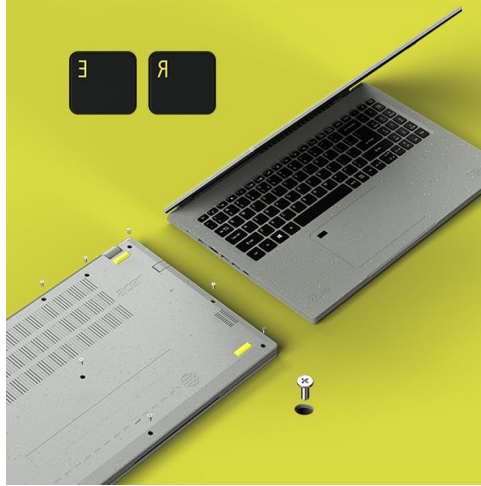
- Work/School
- Entertainment (Watch video, web browsing...)





1. Pioneering PCR Integration

To burn or bury is not the only option. The eco-smart Vero is a testament to our commitment to sustainable operations. We proudly **use 30% PCR¹ plastics in our chassis and screen bezel and 50% on our keycaps** to become **a pioneer of full PCR integration into a laptop device.**



2. Eco-Designed with Earth in Mind

Designed to be **easily repaired and upgraded**, the Vero proudly features a **volcano grey chassis with yellow pigments** that immediately relate to the vital message of **reducing pollution**. Furthermore, **highlighted and mirrored 'R' and 'E' keys** call out the three 'Re's' (Reduce, Reuse, and Recycle), further

Image will be updated with correct adapter later.



3. Packaging That Goes a Bit Further

After use, the **already-recycled packaging is 100% recyclable**. Our careful planning extends to **removing the adapter's plastic bag in favor of a paper sleeve**. The packaging also offers an ingenious repurposing by enabling users to **reshape part of the box's contents into a full-functioning laptop stand²** for maximum

reuse

Intel Tiger Lake Refresh and New Windows are under embargo.

Images will be updated with more specs later.



4. Switch to Eco+

The Vero also utilizes purpose-built-in software—**VeroSense™**—to further the personal goals of eco-minded users, such as energy-saving to extend battery life. But, eco doesn't equal less, **as the latest 11th Gen Intel® Core™ processors³** deliver responsive productivity in a low-power platform with **upgradeable DDR4 Memory and up to 1 TB PCIe SSD.**

3. Specifications may vary depending on the model and region. All models subject to availability.



5. Looks Good, Sounds Brilliant

See more of the **15.6" FHD IPS display** thanks to those **narrow bezels**. And, with **Acer TrueHarmony™, Acer PurifiedVoice™ with AI noise reduction¹, and Microsoft's Cortana**, online meetings get a little easier and a little better. Additionally, the Vero features **a fingerprint reader** for convenient security.





















3. Specifications may vary depending on the model and region. All models subject to availability.



6. And for All Your Connections...

With **Wi-Fi 6**, expect a solid and steady connection. The Vero also features **a Type-C port and three Type-A's**, with one supporting power-off charging. The battery delivers up to **XX⁴ hours of use⁵**.

4.. Battery life varies depending on product configuration, power settings, and usage, among other factors. Please visit www.acer.com

Design	 POST CONSUMER RECYCLED	30% PCR plastics in chassis and screen bezel 50% PCR on keycaps	Audio	 PurifiedVoice with AI Noise Reduction	Acer PurifiedVoice™ with AI Noise Reduction	
		Green Package, 100% recyclable		 TrueHarmony™	Acer TrueHarmony™	
	 Elevated Design	Lifting Hinge	Connectivity	 Wi-Fi 6 Wireless Connection	Wi-Fi 6	
	Intel 11 th Gen Core Processor (Tiger Lake Refresh)	 USB 3.2 Reversible Type-C Connector		USB3.2 Gen 1 Type-C		
Fundamentals		Up to 24GB DDR4 Memory (from up to 8GB on-board and 16GB So-DIMM)		MSFT features		Windows Hello with Fingerprint Reader
		Up to 1TB M.2 PCIe SSD			 Cortana with Voice	Cortana with Voice ¹
		Precision Touchpad (126 X 76.5mm)			Wake on Voice	
Display	 Resolution	15.6" Full HD Display ¹	Software		VeroSense™	
	 Narrow Bezel	Narrow Bezel Design, screen to body ratio 81.42%		Keyboard		Backlit Keyboard ¹
		IPS Wide Viewing Angle	- Specifications May Vary Depending On Model And / Or Region. All Models Subject To Availability.			
		Acer BluelightShield™				



Aspire Vero

Acer Green Package

Acer launched the “Sustainable Paper and Packaging Policy” in 2012 in order to enhance the sustainability of global forest ecosystems.

Acer incorporates the below green package principles to protect to our environment:

- **REDUCE:** Reduce material use
- **RECYCLE:** Most effective and recyclable packaging designs
- **REUSE:** Make use of reusable materials

Reduction in Design

Since 2016 Acer has been planning reductions in the size of product boxes and scale of packaging. We continue to reduce the amount of iron, plastic, and paper materials(including raw and recycled) used in our packaging.

Use of recycled materials

Acer carefully considers the materials we use in our packaging, with packaging design emphasizing recyclability and making use of easily recyclable materials a priority.



- ✓ **Cardboard Box** Up to 80-90% recycled cardboard
- ✓ **Molded Pulp** 100% recycled paper
- ✓ **Posters** Forest Stewardship Council (FSC) certified paper
- ✓ **Green Ink** All printings(carton & printing document) uses environmentally friendly water-based and soy inks.
- ✓ **Non-woven Fabric Bags** Made from 100% recycled PET
- ✓ **Paper sleeve for adapter** Remove plastic bag from power cord and adapter
- ✓ **Unified Box Dimension & Pallet Stack Optimization** Reduce Materials Scrap, logistic and operation cost
- ✓ **Standardizes Carton Artwork** Reduce Materials Scrap and Increase operation flexibility and materials Usability since 2017

About Molded pulp

Molded pulp packaging is made from a variety of fibrous materials, such as recycled paper, cardboard or other natural fibers (sugarcane, bamboo, wheat straw). Molded pulp packaging offers a wide range of benefits compared to traditional plastic and EPS (Styrofoam) packaging from performance, economic to environmental.

Environmental Benefits:

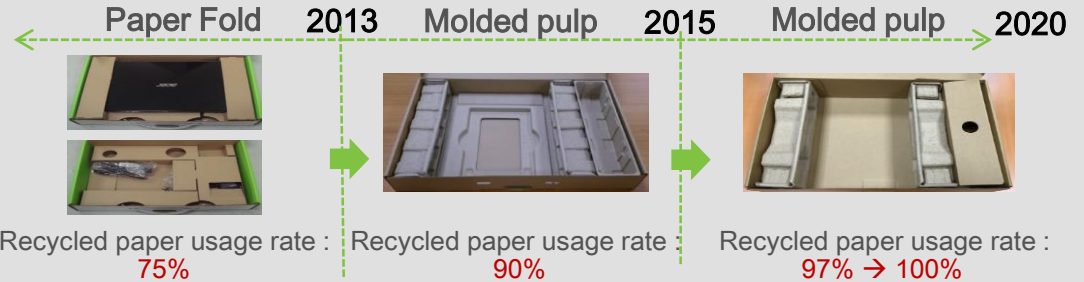
- 100% recycled raw materials
- Chemical-free pulping process
- Open air drying (70% of the time)
- No waste water — all water evaporates or is reused in the pulping process
- Zero manufacturing waste — all scraps are returned to the pulp slurry
- Final packaging is 100% recyclable



Reduction in Design

Acer improve laptop package inner structure from Paper Fold to Paper Molded Pulp , and simplify inner cushion to

- reduce human source and cost and reduce new raw paper usage .
- increase recycled paper usage rate from 75% up to 100% .



Here are some numbers are from our package vendors:



Acer Notebook
2020 shipment

6.58M

Totally use
13.15M Molded Pulp



Save

24,000 trees

That's around enough trees to
fill up around 1.16 Central parks.



Reduce Carbon Emission

5,190 tons

Producing 1 kg plastic will release 6
kg CO₂, but only 0.9kg CO₂ will be
released from 1 kg Molded Pulp.

Sustainable Design

The Aspire Vero is a green-pioneer laptop with well-considered sustainable design solutions that overcome common current PC industry problems, such as heavy energy-consumption of virgin plastic, or non-upgradeability. Based on our “R-E” concepts, (REview, REthink, REcycle and REduce) the Acer Aspire Vero uses recycled material in most areas of the product including packaging.

Why Recycled Plastics? Waste-to-Energy

More devices are made and more plastics produced and thrown away. Plastic pollution presents a huge environmental challenge.

“Studies have shown that [recycling plastic waste saves more energy](#)—by reducing the need to extract fossil fuel and process it into new plastic—than burning it, along with other household waste, can generate.”

[Resource](#)

The Acer Aspire Vero adopts around 170g post-consumer recycled plastics (PCR plastics) into the product from top to bottom, including the chassis, screen bezel and the operating surface, keyboard cap.



Aspire Vero PCR Plastics Conversion

Every Vero equips 30% PCR plastic(170g) on its chassis(566g)

Aspire Vero chassis weight

A cover : 204 g

B cover(Bezel) : 24g **566g**

C cover : 154g

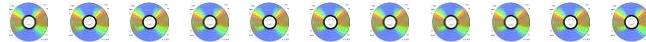
D cover : 184.2g

30% PCR weight

around **170g** (=566*.03)

170g PCR plastic approximately equals to:

11 CD discs (15.5g) $15.5 \times 11 = 170.5g$



0.5 5L water container (320g) $320 \times 0.5 = 160g$



1.1 450ml water bottle* (154g) $154 \times 1.1 = 169.4g$



2 150ml baby bottle** (88g) $88 \times 2 = 176g$



0.06 20" baggage suitcase* (2.9kg) $2900 \times 0.06 = 174g$



*The weight can be vary, all products are different, only for internal reference. PC plastic had been banned to apply on baby bottle

Sustainable Design

Easy to Repair, Reusable and Recyclable

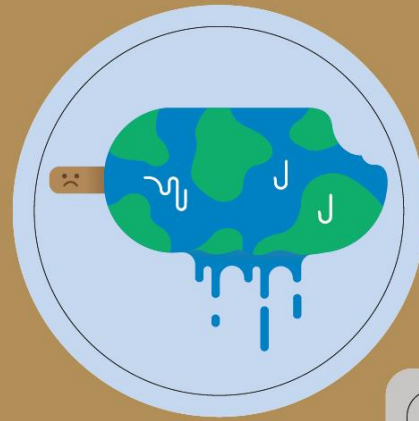
The extra space allocation and standard screws provide more convenience if and when a memory or storage upgrade or a hardware repair is required to extend its lifespan. These design on Vero measures also benefit and simplify the recycling process at its end of life.

Eye-catching , Eco-Iconic Visual

Volcano Grey is a marriage of yellow and grey conveying a message of strength and hopefulness that is both enduring and uplifting. Yellow dots create a vivid contrast on the grey surface and deliver a environmentally-friendly, trendy look and feel. With comfortable tactile feedback of textured chassis, the Aspire Vero stands out from the crowd.

Green “Speak-out” Sticker

The stickers made of 85% recycled paper, let users to express their green statement and give a unique looking for their own Vero.



Vero Green Package

Aspire Vero are boxed using up to 85% recycled cardboard and we have removed all LDPE foam packing without sacrificing any of the box's protective qualities. In addition, to further reduce environmental impact we don't put our adapter in plastic bags.

Recycled Paper

According to EnvironmentalPaper.org it takes approximately 31% less energy to produce recycled paper and releases 44% less greenhouse gases. It also produces 53% less wastewater and results in 39% less solid waste. And, of course, it uses 90% fewer trees.

Recycled PET plastics

Vero's laptop bag and keyboard sheet are made from recycled polyester rather than the more popular LDPE. Recycled polyester has the advantage over LDPE in that it's made from recycled PET bottles and not 'virgin' material. This reduces the amount of energy used in production and removes plastic bottles from the environment.

Non-woven laptop Bag
Keyboard Sheet
100% industrial recycled PET



Brown Box
85% recycled paper



NB Stand
85% recycled paper

Paper Sleeve for
Adapter Protection



Molded Pulp
100% recycled paper



Sticker
85% recycled paper



Paper Envelope of Manual Kit
85% recycled paper



Warranty & I.T.W is made with 40% recycled paper and printed with soy ink. ([Read more about soy ink](#)) The paper for Setup Guide is certified by FSC.

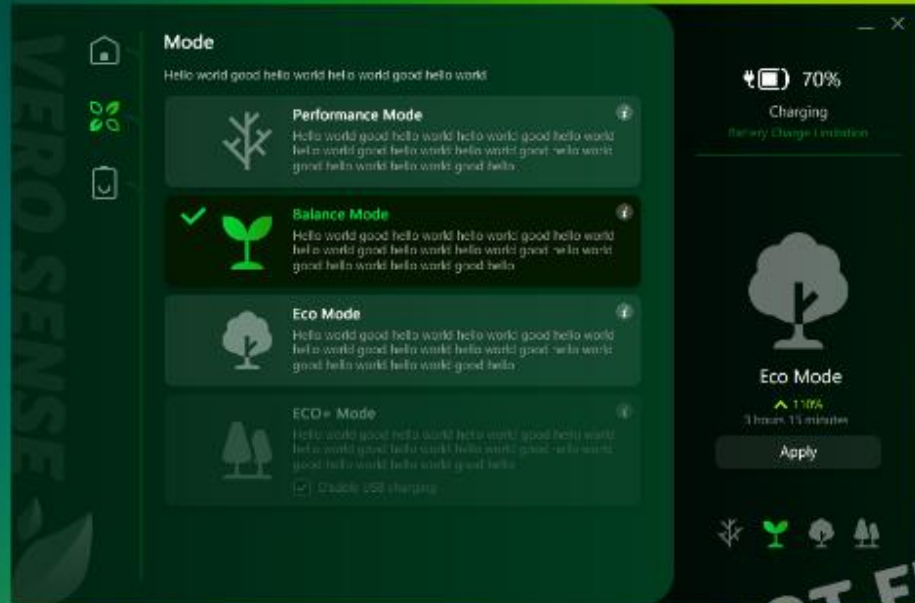


VeroSense™ is Acer's built-in software to further the goals of eco-minded users, such as energy-saving to extend battery life. The application provides users with four performance modes to choose from:

Performance, Balanced, Eco, and Eco+.

VeroSense™ is not only eco-friendly, but it's user-friendly too, with easy-to-use UI and helpful info to show you're doing your bit for planet Earth.

- **Performance Mode:** Optimized for the best overall performance.
- **Balanced Mode:** Automatically balances energy-saving and performance
- **Eco Mode:** Reduces system performance to improve power efficiency and battery life
- **Eco+ Mode:** Extreme battery saving with critical functions disabled



NOT FINAL

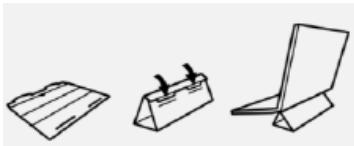
Vero Eco Design Overview

Product

- 50% PCR plastic on keyboard cap
- 30% PCR plastic on top & bottom cover, screen bezel, operating surface
- Over 99% recyclable panel
- No painting on chassis, no VOC
- Lifespan design(standard screw): easy to upgrade, repair and recycle
- VeroSense™ - application for smart energy saving

Package

- 100% recyclable package
- 100% recycled paper for molded pulp
- 85% recycled paper on box, sticker, manual envelope
- 100% industrial recycled PET plastic on Laptop bag and keyboard sheet
- Replace plastic bag with paper sleeve for adapter protection.
- Soybean printing
- Turn box left over as a laptop stand



The New Generation of Acer PurifiedVoice™ With AI Noise Reduction

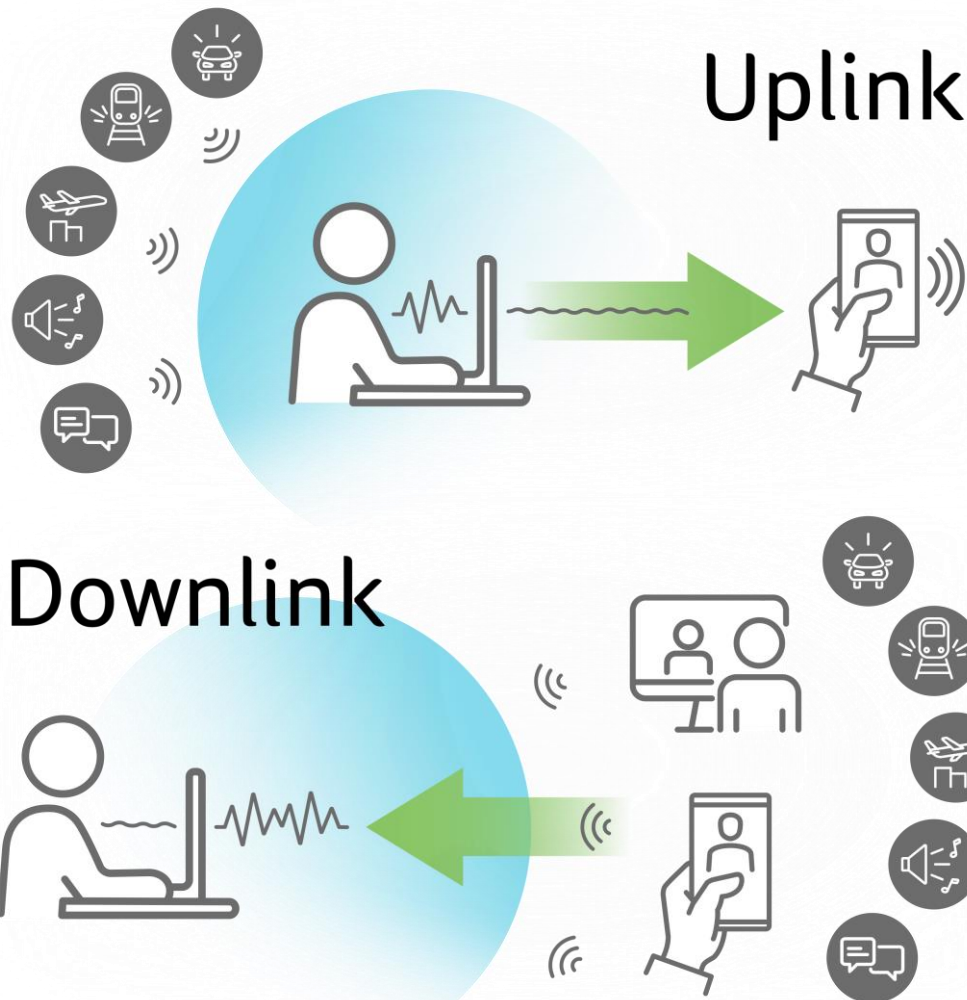
With working from home becoming increasingly commonplace, the quality of a conference call is just as relevant. Our new generation of Acer PurifiedVoice™ with AI noise reduction can now actively suppress background noise for both users and is compatible with external headphones and mics.



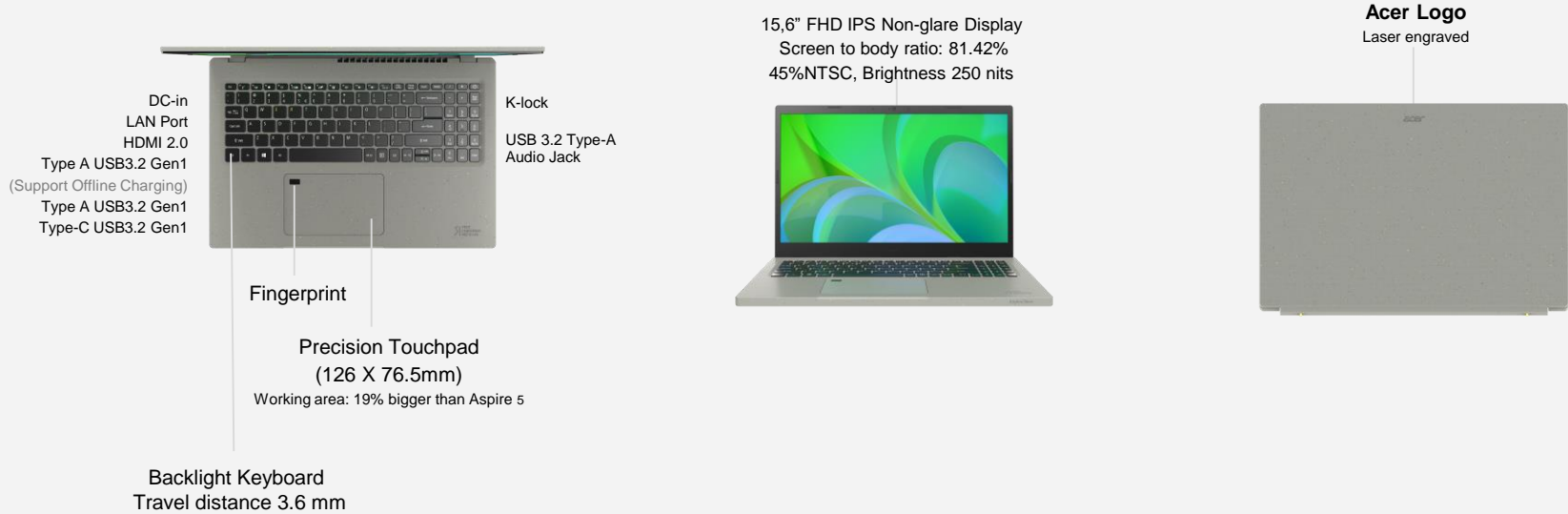
PurifiedVoice with AI Noise Reduction

Uplink noise suppression
Background noise from your environment is suppressed to deliver clarity at the other end, benefiting other users.

Downlink noise suppression
Background noise from other users' environments is now suppressed, benefiting you.



*All images in this slide will be updated with Intel concaved badge on C cover later.



	A Cover (Top)	B Cover (Screen)	C Cover (Keyboard, Touchpad)	D Cover (Bottom)
Color	Volcano Gray	Black	Volcano Gray	Volcano Gray
Material	Plastic (30% PCR), Rubber	Plastic (30% PCR), Rubber	Plastic (50% PCR-keycap, 30% PCR-surface), Mylar (Touchpad)	Plastic (30% PCR), Rubber