

ASUS | BUSINESS



Programa Kit Digital



Ultimate Portability



Productive Performance



Trustworthy Reliability

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1 - Desglose de las evidencias fase 1 para el caso del ordenador portátil

- 1.1 - Información del fabricante y/o entidades certificadoras con las características técnicas de los dispositivos hardware (portátil o dispositivo de sobremesa y monitor) incluyendo certificaciones energéticas y de robustez que permitan acreditar el cumplimiento de los requisitos de Hardware y Software de esta categoría

ASUS ExpertBook P1 P1503CVA ExpertBook Series



P1503CVA

Specification

Marca, modelo	ASUS P1503CVA
Model Name	P1503CVA-S72892X
Part No	90NX0881-M03AN0
Processor	Intel® Core™ 5 Processor 210H 2.2 GHz (12MB Cache, up to 4.8 GHz, 8 Cores, 12 Threads) Fecha de lanzamiento - Q4'24
Rendimiento, incluyendo Passmark	19.346 puntos
Memoria RAM	1 x 16GB DDR5-5200MT/s 2x DDR5 SO-DIMM slots(una ocupada)
Almacenamiento	512GB M.2 2280 NVMe™ PCIe® 4.0 SSD 1x M.2 2230 PCIe 4.0x4 1x M.2 2280 PCIe 4.0x4(Ocupada)
Sistema Operativo	Windows 11 Pro 64 Bits
Tarjeta Gráfica	Intel® Graphics
Tarjeta Sonido	Audio by Dirac Altavoces incorporados Micrófono de matriz incorporado
Conectividad inalámbrica	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.4
Teclado	Diseño/Idioma:ES/ES 2x USB 3.2 Gen 1 Type-A 2x USB 3.2 Gen 2 Type-C support display(DP) / power delivery/datos
Interfaces de entrada/salida	1x HDMI 1.4 1x 3.5mm Combo Audio Jack (auriculares y micrófono) 1x RJ45 Gigabit Ethernet
Tamaño panel	15,6"
Retroiluminación	LED Retroiluminado
Brillo	300nits
Resolución	FHD (1920 x 1080) 16:9
Reflejos	Pantalla Antireflejos
IPS	SI
Ratón/ Touchpad	Touchpad
Webcam	720p HD camera Con persiana de privacidad
Batería	50WHrs, 3S1P, 3-cell Li-ion
AC Adaptador	TYPE-C, 65W AC Adapter, Output: 20V DC, 3.25A, 65W, Input: 100~240V AC 50/60Hz universal



P1503CVA

Certificaciones	EPEAT Gold
	Energy star 8.0
	CE
	RoHS
	TCO Certified
Certificado de robustez	US MIL-STD 810H military-grade standard
Seguridad	BIOS/UEFI Secure Mode (Secure Boot enable/disable)
	Trusted Platform Module (TPM) 2.0
	Huella dactilar
	BIOS Booting User Password Protection
	BIOS setup user password
	Support Absolute Persistence 2.0 (Computrace)
Dimension (WxHxD)	HDD User Password Protection and Security
	Kensington Nano Security Slot™ (6x 2.5mm)
Peso (con Bateria)	35.95 x 23.22 x 1.99 cm
	1.66 kg



1.1.1 - Fecha lanzamiento procesador

Puede consultar la fecha de lanzamiento del procesador desde la propia WEB del fabricante:

<https://www.intel.la/content/www/xl/es/products/sku/241652/intel-core-5-processor-210h-12m-cache-up-to-4-80-ghz/specifications.html>

Información complementaria

Estado	Launched
Fecha de lanzamiento	Q4'24
Opciones integradas disponibles	Yes
Condiciones de uso	PC/Client/Tablet
Ajuste del producto (usos integrados)	Yes
Hoja de datos	Vea ahora

1.1.2 - Certificado Energy Star

Puede consultar el certificado Energy Star desde la propia WEB de Energy Star:

<https://www.energystar.gov/productfinder/product/certified-computers/details/4471237>


**ENERGY STAR CERTIFIED
Computers**

ASUS - B1503CVA : B1503CVA

Specifications

ENERGY STAR Unique ID:	4471237
Brand Name:	ASUS
Model Name:	B1503CVA
Model Number:	B1503CVA
Type:	Notebook
Operating System Name:	Windows 11 Pro
Physical CPU Cores (count):	14
Processor Brand:	Intel
Processor Name:	Core i7
System Memory (GB):	64.0
Default Low-power Mode:	Modern Standby
TEC of Model (kWh):	15.4
Base TEC Allowance (kWh):	8
Functional Adder Allowances (kWh):	14.0
Long Idle (watts):	0.8
Long Idle Power Used for Sleep Mode:	Yes
Off Mode (watts):	0.4
Short Idle (watts):	5.9
Sleep Mode (watts):	0.8
Ethernet Capability:	Yes
Touch Screen:	No
Date Available On Market:	2024-09-18
Date Certified:	2025-07-10
Markets:	United States, Japan, Canada, Taiwan, Switzerland
ENERGY STAR Certified:	Yes

Additional Model Information

B1503CVA	P1503CVA	B1503CVA,V1503CVA
UPC Codes	197105796300, 197105900134	

Captured On:
05/08/2026

1.1.3 - Certificado EPEAT GOLD

Puede consultar el certificado EPEAT GOLD desde la propia WEB de EPEAT:

<https://www.epeat.net/product-details/7f888316c20d4af0a73ccdd2fd70f65b?backUrl=%2Fproduct-finder%3Fquery%3DP1503CVA>




[Benefits Calculators](#)
[Product Finder](#)
[Announcements](#)
[Supplier Engagement Program](#)
[About EPEAT](#)
[Login](#)



COMPUTERS & DISPLAYS



ASUS P1503CVA (Series: V1503CVA)

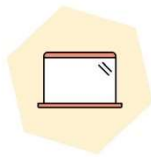
Product Summary:

Product Type:	Notebook
Registered in:	Spain
Manufacturer:	ASUSTeK Computer Inc.
EPEAT Version:	1.0
EPEAT Tier:	Gold
Registration Date:	2025-05-06
Product Status:	Active
EPEAT Climate+:	 Achieved May 06, 2025.
Universal Product Code(s):	197105735736, 197105735743, 197105735750, 197105735767, 197105735781, ... View all (94)

All unique product identifiers existing for this product may not be listed here. If the unique product identifier you are looking for is not listed, please contact EPEAT at EPEAT@GEC.org.

[EXPORT PRODUCT SUMMARY](#)

1.1.4 - Certificado TCO



CERTIFICATE

Certification

TCO Certified, generation 10, for notebooks

Certificate number	Certification date	Valid until
N1024120033	2024-12-27	2026-12-27

Brand name: ASUS

Sales name: ExpertBook P1 (P1503)

Toward sustainable IT products

TCO Certified is the world-leading sustainability certification for IT products. It is an easy-to-use tool that helps you get environmental and social sustainability right. Criteria are mandatory, tough, and apply globally. Compliance is always independently verified.



To verify authenticity, extension of certificate validity and see product information visit tcocertified.com/product-finder/ and enter the certificate number or scan the QR code

Certificate number: N1024120033

This certificate confirms that a sample of the certified product, as stated herein, has been tested and approved as to its compliance with the criteria document TCO Certified, generation 10, for notebooks. The certified product may, subject to the use of the unique combination of brand name, type/model name and sales name as stated in this certificate, be marked and sold with the TCO Certified label in accordance with the agreement.

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Hannes Westerberg
Certification process
TCO Development



Certificate N1024120033

Appendix

Full list of model names

P1503CVA
V1503CVA

Full list of sales names

ExpertBook P1 (P1503)

Hannes Westerberg
Certification process
TCO Development

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1.1.5 - Certificado Robustez MIL STD 810H

ASUS

**US MILITARY
GRADE**
★
MIL-STD 810H
Multiple Tests
Passed

ASUS MIL-STD 810H Test Report - P1503CVA

Test Category	Test Method	MIL-STD-810H Test Parameters	Test Result
Altitude Storage/ Air Transport	Method 500.6-Procedure I	Test Pressure: Equivalent to cabin altitude of 15,000ft Temperature: -20°C Duration: 2 hour Unit is non-operational during test.	Pass
Altitude Operation/Air Carriage	Method 500.6-Procedure II	Test Pressure: Equivalent to cabin altitude of 15,000ft Temperature: 5°C and 40°C Duration: 2 hour (5°C) and 2 hour (40°C) Unit is operational during test.	Pass
High Temperature Operational (Basic Hot)	Method 501.7-Procedure II (A2)	Duration: 3 day exposure (3 X 24 hr. cycles) Temperature: 30~43°C cycling temperature exposure Table 501.7-II-Procedure, High temperature cycles, climatic category A2 - Basic Hot Humidity: 14~44% Unit is operational during test.	Pass
High Temperature Storage and Transit (Basic Hot)	Method 501.7-Procedure I (A2)	Duration: 10 day exposure (10 X 24 hr. cycles) Temperature: 30~63°C cycling temperature exposure Table 501.7-II-Procedure, High temperature cycles, climatic category A2 - Basic Hot Humidity: 5~44% Unit is non-operational during test.	Pass
Low Temperature Storage and Transit (Basic climatic)	Method 502.7- Procedure I (C1)	Duration: 7 day exposure (7 X 24 hr. cycles) Temperature: -25~ -33°C Low temperature cycles, Table IX, Basic climatic_C1 Unit is non-operational during test.	Pass
Low Temperature Operational (Basic climatic)	Method 502.7- Procedure II (C1)	Duration: 3 day exposure (3 X 24 hr. cycles) Temperature: -21~ -32°C Low temperature cycles, Table IX, Basic climatic_C1 Unit is operational during test.	Pass
Temperature Shock	Method 503.7- Procedure I-A	Duration: 4 Hour / One-way shock Temperature: -25 to 60 °C Unit is non-operational during test.	Pass
	Method 503.7- Procedure I-B	Duration: 6 Hour / Single cycle shock Temperature: -25°C to 60°C to -25°C Unit is non-operational during test.	Pass
	Method 503.7- Procedure I-C	Duration: 1 Hour / Three cycles Temperature: -51 to 60 °C Unit is non-operational during test.	Pass
Solar Radiation (Sunshine)	Method 505.7- Procedure I	Three 24-hour cycles of test. Peak conditions of 1120 W/m ² (355 BTU/ft ² /hr) and 49°C (120°F) 9 hours darkness per a 24 hour Unit is non-operational during test.	Pass
Humidity Aggravated Cycle	Method 507.6- Procedure II	Duration: 10 Days Temperature: 30°C and 60°C Humidity: 95% RH, constant Unit is non-operational during test.	Pass
Sand and Dust	Method 510.7- Procedure I	Particle density: 10 +/- 7 g/m ³ Air velocity: 300 to 1750 ft/min Operating temperature of 60 °C	Pass
	Method 510.7- Procedure II	Particle density: 1.2g/m ³ Air velocity: 28m/s Operating temperature of 60 °C	Pass
Vibration	Method 514.8- Procedure I (Table 514.8C-II)	Frequency 5-500Hz, Vertical rms = 1.08 g Transverse rms = 0.21g, Longitudinal rms = 0.76g Test Time: 60 minutes per axis (US highway-Common Carrier)	Pass
	Method 514.8- Procedure I (Table 514.8C-IV)	Frequency 5-500Hz, Vertical rms = 3.98 g Transverse rms = 1.22g, Longitudinal rms = 2.52g Test Time: 32 minutes per axis (Composite two-wheeled trailer vibration exposure)	Pass
	Method 514.8- Procedure I (Table 514.8C-VII)	Frequency 5-500Hz, Vertical rms = 2.24 g Transverse rms = 1.45g, Longitudinal rms = 1.32g Test Time: 40 minutes per axis (Composite wheeled vehicle vibration exposure)	Pass
	Method 514.8- Procedure I (Table 514.8E-I)	General minimum integrity tests, Frequency 20-2000Hz, RMS= 7.7g/s Test Time: 60 minutes per axis	Pass
	Method 516.8- Procedure I	Functional Shock Operational 3 shocks/axis/direction for a total of 18 shocks; 40 Gs peak, 11 ms Transportation shock- On road (5000Km) Amplitude: 5.1~ 7.6 G-Pk., Number of Shocks: 3 ~ 42 times Pulse Duration: 11ms	Pass
	Method 516.8- Procedure II		Pass

Shock	Method 516.8- Procedure III	Terminal Peak Sawtooth Non-OP/ Package	Pass
		Fragility Non-operational 3 shocks/axis/direction for a total of 18 shocks 30-50 Gs peak, Trapezoidal pulse(772cm/s, 10G/each stage)	
	Method 516.8- Procedure V	Crash Hazard Shock Test 2 shocks/axis/direction for a total of 12 shocks 75 Gs peak, 6 ms/Terminal Peak Sawtooth/unpackage nop	Pass
		Bench Handling (Drop Height: 100 mm) Unit is operational during test.	
Freeze/Thaw	Method 524.1- Procedure III	Rapid Temperature Change Temperature: (30°C and -10°C) Humidity: 95% RH	Pass ³
		Dwell: 1 Hour : Three cycles	
Mechanical Vibrations of Shipboard Equipment	Method 528.1- Procedure1 (Type 1)	Environmental Vibration 4-33 Hz/ 2Hours	Pass

1. The ASUS testing regimen is not a guarantee of future performance under the specified test conditions. Damage occurring under these test conditions would be considered accidental, and would not be covered by the standard ASUS warranty. Additional cover is available with the ASUS Accidental Damage Protection care pack.

2. MIL-STD-810 testing is conducted on selected ASUS products only. These tests are not intended to and do not demonstrate fitness for US Department of Defense (DoD) contract requirements or for military use. Test results are not a guarantee of future performance under the specified test conditions. Damage occurring under these test conditions would be considered accidental, and would not be covered by the standard ASUS warranty. Additional cover is available with the ASUS Accidental Damage Protection care pack.

3. ExpertBook B1 passed the functional aspect of the freeze/thaw test category.

ASUS ExpertBook

1.1.6 - Certificado CE

UE Declaración de Conformidad



Nosotros, los abajo firmantes,

Fabricante: ASUSTeK COMPUTER INC.

Representante autorizado en Europa: ASUS COMPUTER GmbH
Dirección, Ciudad: HARKORT STR. 21-23, 40880 RATINGEN
País: GERMANY



declaramos, bajo nuestra exclusiva responsabilidad, que el siguiente aparato:

Nombre del aparato: Notebook PC
Nombre del modelo: P1503CVA

Información adicional: ANNEX I

El objeto de la declaración descrita anteriormente es conforme con la legislación de armonización pertinente de la Unión:

Equipos Radioeléctricos Directiva - 2014/53/EU

Artículo 3.1a

EN 50566:2017/A1:2023, EN 62209-2:2010/A1:2019, EN 62368-1:2014/A11:2017

Artículo 3.1b

EN 301 489-1 V2.2.3, EN 301 489-17 V3.2.4, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020, EN 61000-3-3:2013/A2:2021, EN IEC 61000-3-2:2019/A1:2021, ETSI EN 301 489-3 V2.3.2

Artículo 3.2

EN 300 328 V2.2.2, EN 300 440 V2.1.1, EN 301 893 V2.1.1

Clase de Equipos de Radio

Clase 2

Directiva Diseño Ecológico - 2009/125/EC

(EU) 2019/1782, 1275/2008/EC, EN 50563:2011, EN 50564:2011, EN 62623:2013, EU 801/2013

Directiva RoHS - 2011/65/EU

2015/863/EU, EN IEC 63000:2018

Firma:

S.y. Hsu, Director Ejecutivo/CEO

Lugar de emisión:

Taipei

Fecha de emisión:

09/12/2024

1.1.7 - Certificado ROHs



ASUSTek COMPUTER INC.

No.15, LiDe Rd., Beitou Dist., Taipei 11259, Taiwan
Tel. 886-2-2894-3447 • <https://www.asus.com>

December 12, 2024

Subject: Declaration of RoHS Compliance

Dear Customer,

This letter is to declare that, to the best of ASUS's knowledge, the product(s) as listed below ("Product"), when shipped by ASUS, are all in compliance with the applicable provisions of DIRECTIVE 2011/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment and its amendment DIRECTIVE 2015/863/EU of 31 March 2015 (collectively as "RoHS"). Nevertheless, ASUS provides no declaration with respect to noncompliance arising from those materials, parts or components supplied or designated by Customer or any specification, design, or instruction provided by Customer.

Product Name	Model Name
NOTEBOOK(COMMERCIAL)	P1503CVA

Sincerely yours,

ASUSTek COMPUTER INC.

TS Wu

GreenASUS Management Representative

Form No : P-GA2-019-01 Rev.10
BP-2400911

1.1.8 - Certificado ISO 50001



Building
trust
together.

Certificate

CISQ/IMQ has issued an IQNET recognized certificate that the organization:

ASUSTeK Computer Inc.

No.15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan (R.O.C.)

has implemented and maintains a
Energy Management System

for the following scope:

**Design, outsourcing production (including manufacturing management)
and services of computer, communications, electronic products.**

which fulfils the requirements of the following standard:

ISO 50001:2018

Issued on: **2025/07/21**
Expires on: **2028/06/29**

Registration Number: **IT-138676-0876.2022**

Alex Stoichituiu
Alex Stoichituiu
President of IQNET

Mario Romersi
Mario Romersi
President of CISQ



This attestation is directly linked to the IQNET Member's original certificate and shall not be used as a stand-alone document.

IQNET Members*:

AENOR Spain **AFNOR Certification** France **APCER** Portugal **CCC** Cyprus **CISQ** Italy **CQC** China **CQM** China **COS** Czech Republic
Cro Cert Croatia **DQS Holding GmbH** Germany **EAGLE Certification Group** USA **FCAV** Brazil **FONDONORMA** Venezuela **ICONTEC**
Colombia **ICS** Bosnia and Herzegovina **INTECO** Costa Rica **IRAM** Argentina **JQA** Japan **KFQ** Korea **LSQA** Uruguay **MIRTEC** Greece
MSZT Hungary **Nemko AS** Norway **NSAI** Ireland **NYCE-SIGE** Mexico **PCBC** Poland **Quality Austria** Austria **SII** Israel **SIQ** Slovenia
SIRIM QAS International Malaysia **SQS** Switzerland **SRAC** Romania **TSE** Türkiye **YUQS** Serbia

* The list of IQNET Members is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

1.1.9 - Certificado Huella de Carbono



Product Carbon Footprint Report

ASUS ExpertBook P1
P1503CVA (Series: V1503CVA, PX563CVA)

Report produced: Feb. 2025

Product Introduction

1.6 kg

Product weight

4 years

Lifetime

15.6"

Screen Size

Worldwide

Use location



China

Final Manufacturing location

Product carbon footprint has been assessed and certified as meeting the requirement of ISO 14067: 2018.

WHY WE DO

ASUS is committed to continuously improving the environmental performance of the products you purchase. Through product carbon footprint reports (PCF), we show the environmental impact of product lifecycles from design to disposal.

Product Features



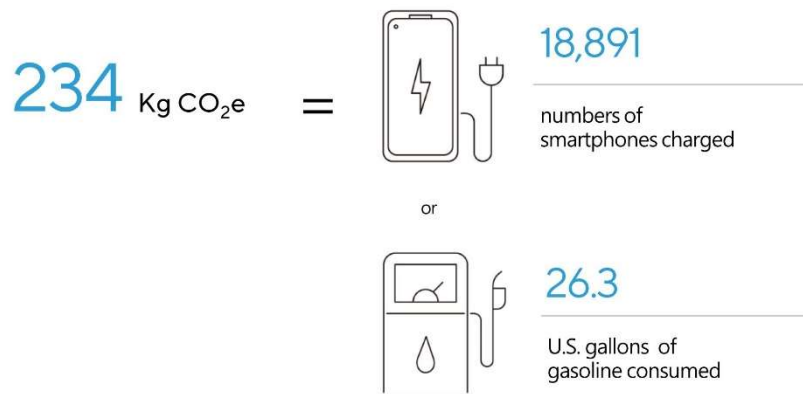
HOW WE CONDUCT

Life cycle assessment (LCA) is commonly referred to as a "cradle-to-grave" analysis. Throughout the entire life cycle of a product, and the assessment includes the contributions material extraction, manufacturing, packaging and ship, use and end-of-life management.

WHAT WE PRESENT

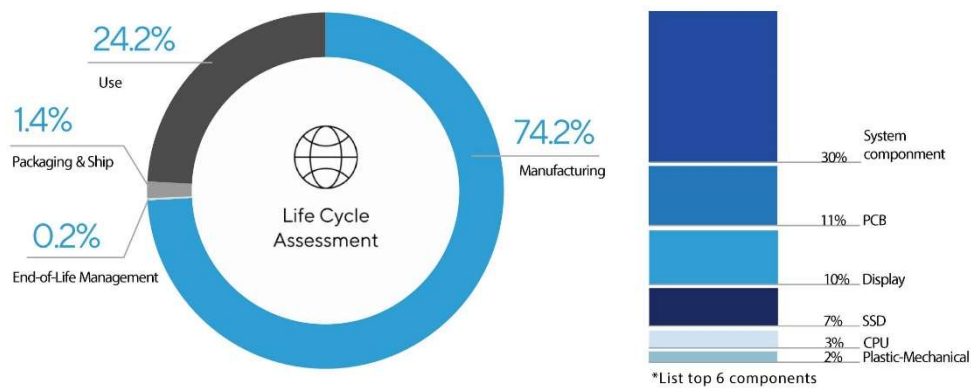
This product's estimated carbon footprint:

We will demonstrate the total product carbon emission and also provide the approximate equivalencies to let user well understand the concept of carbon emission.



The methodology of calculations are based on [US EPA](#)

The estimated impact across the product's life cycle and with the information of main factors from manufacturing phase.



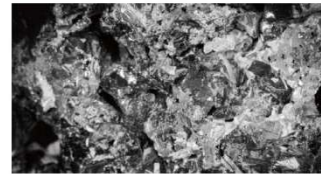
2



Phase 1 Manufacturing

Raw Material Procurement

ASUS controls all materials used in the manufacture of products, including the purchase of metals. To ensure that metals meet legal mining and operations, ASUS requires suppliers that meet third party verification. The source of raw materials is in line with the supply chain of the international Responsible Mineral Initiative (RMI) due diligence and management.



Hazardous Substance Free

All ASUS products comply with the mandatory requirement from European Union's Electrical and Electronic Equipment Restriction of Hazardous substances (EU RoHS) and other national hazardous substances control laws, and all print circuit board laminates also meet voluntary halogen-free requirement.



Recycle Material

ASUS continues to increase the use of recycled plastics & metals in our products. P1503CVA is made with 28.6% post-consumer recycled plastic based on product weight.

Human Right

ASUS protects labor rights and implements responsibility manufacturing. To commit the protection, ASUS joined to Responsible Business Alliance as the full member.



Supplier Energy Use

Final assembly site are transitioning to renewable energy progressively for ASUS production.

Phase 2 Packaging and Ship

ASUS have designed the packaging to minimize its weight and volume, which helps conserve natural resources and allows more devices to be transported in a single shipping container. P1503CVA use 90% recycled content by total weight of wood based fiber.

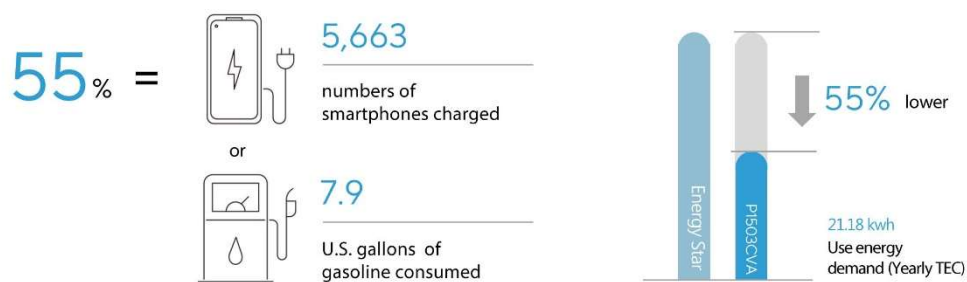


3

Phase 1 2 3 4 Use

Energy Saving

P1503CVA meet the requirement of Energy Star and average energy consumption is lower than Energy star standard 55%.



The methodology of calculations are based on [US EPA](#)

Phase 1 2 3 4 End-of-Life Management



Product modular design, 90% materials and components are easy to recycle and reuse. ASUS promises to recycle second-hand electronic products, and cooperate with qualified recyclers to properly recycle the waste products, in line with the EU Waste Electrical and Electronic Equipment Directive (EU WEEE) and other national waste management laws. The five major regions provide recycling services, including Europe, North America, Taiwan, China, and Australia.



Modular design:
90% materials and parts are easy to recycle and reuse in waste treatment plants



To see more
ASUS' sustainability effort

4

DEFINITIONS

Methodology

Estimated emissions are calculated in accordance with guidelines and requirements as specified by ISO 14040, ISO 14044 and follow ISO 14067 to conduct product carbon footprint for quantification. There is inherent uncertainty in modeling carbon emissions due primarily to data limitations.

Life Cycle

With reference to the ISO 14040 standard, the main stages of the environmental life cycle of the product are defined raw material procurement, product manufacturing, product transportation, product use, and product waste.

Calculation

The environmental footprint of this product is calculated using the life cycle assessment software SimaPro 9.6; and based on the Ecoinvent 3 database data, the carbon footprint of each phase is calculated using the IPCC 2021 GWP 100 method.

Manufacturing

It includes the refining, manufacturing, transportation of raw materials, as well as the manufacture, assembly and transportation of parts and packaging materials.

Packaging and Ship

The route is from the final assembly factory to the Shanghai Airport in China, and then distributed to the warehouses in various continents. Transportation methods include: land by truck and rail, and air by airplane. Considering the reduction of transportation carbon footprint, ASUS prioritizes the use of rail in land.

Use

The period of use is set to 4 years, and the carbon footprint of this phase is calculated based on the data of the ENERGY STAR standard test method.

End-of-Life Management

According to the recovery processing vendor model and path calculation of ASUS regional cooperation.

Uncertainty

There are uncertainties in this report caused of the following factors:

- ① Uncertainty in modeling carbon emissions due primarily to data limitations. For the top component contributors to Asus's carbon emissions, Asus addresses this uncertainty by developing detailed process-based environmental models with Asus-specific parameters. For the remaining elements of Asus's carbon footprint, rely on industry average data and assumptions. Calculation includes emissions for the following life cycle phases contributing to Global Warming Potential (GWP 100 years) in CO2 equivalency factors (CO2e).
- ② Impact calculation of production phase including the refining, manufacturing, transportation of raw materials, as well as the manufacture, assembly and transportation of parts and packaging materials are based on the database of SimaPro software, not primary data.
- ③ Impact calculation of use phase is based on Energy Star test result and is assumed

1.1.10 - RBA (Responsible Business Alliance)

Puedes comprobar su pertenencia en este organismo en su propia WEB:

<https://www.responsiblebusiness.org/about/members/>

1.1.11 - Resumen cumplimiento especificaciones técnicas KIT-DIGITAL

COMPONENTE	REQUISITO	CUMPLE/MEJORA	OFERTADO
Procesador	El procesador del dispositivo tendrá un mínimo de 4 núcleos físicos	CUMPLE	El procesador del dispositivo tiene 8 núcleos físicos
	Velocidad de reloj (CPU clock) máxima (en modo turbo o equivalente) de al menos 2.9 GHz	CUMPLE	Velocidad de reloj (CPU clock) máxima (en modo turbo o equivalente) de 4.8 GHz
	Su fecha de lanzamiento deberá ser posterior al tercer trimestre de 2023	CUMPLE	Q4'24 https://www.intel.la/content/www/xl/es/products/sku/241652/intel-core-5-processor-210h-12m-cache-up-to-4-80-ghz/specifications.html
	El procesador del dispositivo deberá haber obtenido una puntuación mínima de 17.000 en PassMark Software, con fecha 22 de abril de 2025.	CUMPLE	19.346 puntos
Memoria RAM	El dispositivo deberá de disponer de una memoria de 16 GB DDR4 o tecnología superior equivalente	CUMPLE	16GB DDR5-5200MT/s
	Tecnología DDR4, DDR5, LPDDR4 o LPDDR5	CUMPLE	
Almacenamiento	El dispositivo deberá proveer un mínimo de 512 GB de almacenamiento interno SSD NVMe	CUMPLE	512GB M.2 2280 NVMe™ PCIe® 4.0 SSD
	Todos los datos y documentos contenidos en el ordenador deberán estar protegidos por el encriptado/cifrado en reposo con el fin de garantizar la seguridad de los mismos. Las contraseñas del encriptado deberán ser proporcionadas por el Agente Digitalizador Adherido al beneficiario al momento de la entrega del dispositivo	CUMPLE	Trusted Platform Module (TPM) 2.0 + BitLocker
Sistema operativo	El sistema operativo deberá tener fin profesional. Este se proporcionará conjuntamente con cada dispositivo y vendrá preinstalado y licenciado de fábrica. Se admitirá Microsoft Windows 11 Profesional y MacOS 14	CUMPLE	Windows 11 Pro 64 Bits
Tarjeta gráfica	El dispositivo deberá tener una tarjeta gráfica dedicada o integrada	CUMPLE	El dispositivo tiene una tarjeta gráfica integrada Intel® Graphics
	Resolución mínima Full HD	CUMPLE	FHD (1920 x 1080)
	Deberá soportar el uso de dos monitores	CUMPLE	Soportar el uso de dos monitores
Tarjeta de sonido	El dispositivo deberá tener una tarjeta de sonido integrada	CUMPLE	El dispositivo tiene una tarjeta de sonido integrada
Conectividad Inalámbrica	El dispositivo deberá tener una tarjeta de red integrada de conectividad inalámbrica compatible con el estándar Wi-Fi 6 o superior	CUMPLE	Wi-Fi 6(802.11ax) (Dual band) 2*2
	Asimismo, proveerá conectividad Bluetooth 5.1 o superior	CUMPLE	Bluetooth® 5.4
Interfaces de entrada/ salida	Al menos 2 puertos USB 3.0 o superior, tipo A	CUMPLE	2x USB 3.2 Gen 1 Type-A
	Al menos 1 puerto USB 3.0 o superior, tipo C. Al menos uno de ellos con funciones DisplayPort + Power Delivery + USB	CUMPLE	2x USB 3.2 Gen 2 Type-C support display(DP) / power delivery/ datos

	Un puerto Ethernet RJ-45 1 Gbps	CUMPLE	1x RJ45 Gigabit Ethernet
	Un puerto HDMI 1.4 o superior	CUMPLE	1x HDMI 1.4
	Al menos un interfaz jack 3.5 mm combo para auriculares y micrófono	CUMPLE	1x 3.5mm Combo Audio Jack (auriculares y micrófono)
	En el caso de ordenador portátil, se admite proporcionar los interfaces mediante dispositivos tipo dock station, replicador de puertos o similar	CUMPLE	N/A
Pantalla	Pantalla de tamaño mínimo de 13 pulgadas	CUMPLE	15,6 pulgadas
Ratón	Ratón integrado o touchpad	CUMPLE	Touchpad
Webcam	Al menos con resolución HD	CUMPLE	720p HD camera
	Cámara web integrada con obturador de privacidad	CUMPLE	Con persiana de privacidad
Teclado	Diseño/Idioma: ES/ES	CUMPLE	Diseño/Idioma: ES/ES
Batería	Batería tipo smart battery o similar	CUMPLE	Batería tipo smart battery
Lector de tarjetas smartcard (DNI-e)	Lector de tarjetas inteligentes que cumpla el estándar ISO-7816. Se admitirá dispositivo integrado o no integrado	CUMPLE	No dispone de lector de tarjetas inteligentes, es necesario suministrar uno externo.
Certificaciones deberán contar con al menos una certificación de los siguientes tipos (o similar)	ENERGY STAR®	CUMPLE	https://www.energystar.gov/productfinder/product/certified-computers/details/4471237
	EPEAT™ Silver Registered	CUMPLE	EPEAT GOLD: https://www.epeat.net/product-details/7f888316c20d4af0a73ccdd2fd70f65b?backUrl=%2Fproduct-finder%3Fquery%3DP1503CVA
	TCO	CUMPLE	TCO Certified 10.0
Robustez	Certificación MIL STD 810H o equivalente. Deberán cumplir un mínimo de 5 métodos, entre ellos: alta temperatura, baja temperatura y humedad	CUMPLE	Certificación MIL STD 810H. Cumple con un mínimo de 5 métodos, entre ellos: alta temperatura, baja temperatura y humedad
Certificaciones	Los equipos cumplirán con los requisitos relacionados con la energía establecidos de acuerdo con la Directiva 2009/125/EC para servidores y almacenamiento de datos, o computadoras y servidores de computadoras o pantallas electrónicas	CUMPLE	Certificado CE
	Los equipos utilizados no contendrán las sustancias restringidas enumeradas en el anexo II de la Directiva 2011/65/UE, excepto cuando los valores de concentración en peso en materiales homogéneos no superen los enumerados en dicho anexo.	CUMPLE	Certificado ROHS
	En estas adquisiciones se activarán medidas para asegurar la compra de aquellos equipos energéticamente eficientes, que sean absolutamente respetuosos con el "Code of Conduct for ICT" de la Comisión Europea, y se tomarán medidas para que aumente la durabilidad, la posibilidad de reparación, de actualización y de reutilización de los productos, de los aparatos eléctricos y electrónicos implantados. Al finalizar la vida útil de la tecnología digital adquirida deberá ser tratada de acuerdo con la legislación vigente (incluyendo que los equipos se someterán a una preparación para operaciones de reutilización, recuperación o reciclaje, o un	CUMPLE	ISO 50001 Product Carbon Footprint Report Asus es miembro de la RBA(Responsible Business Alliance (RBA)) https://www.responsiblebusiness.org/about/members/

	tratamiento adecuado, incluida la eliminación de todos los fluidos y un tratamiento selectivo de acuerdo con el anexo VII de la Directiva 2012/19/UE) y no tendrá un impacto negativo sobre los objetivos medioambientales		
Seguridad	Arranque seguro: el dispositivo contará con medidas de protección del proceso de arranque contra ataques de seguridad mediante código malicioso tipo Secure Boot	CUMPLE	BIOS/UEFI Secure Mode (Secure Boot enable/disable)
Chip TPM, T2 o similar, según plataforma	El dispositivo contará con chip TPM o T2 para fortalecer la integridad del sistema, mitigar riesgos de ataques cibernéticos y ofrecer una base más sólida para la seguridad	CUMPLE	Trusted Platform Module (TPM) 2.0
Identificación biométrica	El dispositivo implementará (vía hardware o sistema operativo) elementos de seguridad biométrica: cámara para reconocimiento facial, lector de huellas dactilares, reconocimiento de voz o reconocimiento de iris para reforzar la seguridad de los accesos al sistema	CUMPLE	Lector Huella dactilar