



Vero B8 Serie

Vero B248YGbemiqprcuzx

The Professional Business Monitor

The Acer B8 series embodies all the characteristics that a professional workstation monitor must have. From the design, which blends seamlessly into any working environment, to the ergonomic adjustment options and the variety of connections - the B8 series sets standards. The integrated brightness sensor automatically adjusts the brightness to the ambient light level as required. A proximity sensor recognises when the user has moved away from the display and switches to power saving mode after a short time to save electricity costs. When the user returns, the display switches back on automatically. Thanks to the optional USB Type-C docking solution, you can also control all peripherals (including Ethernet) via just one cable.



- Diagonal size: 60.5 cm (23.8 inches)
- Resolution: 1920x1080
- Response time: 4ms(GTG), 1ms(VRB)
- Brightness: 300 cd/m²
- Signal input: 1x HDMI, 1xDP(1.2) + 1xDPOut, (1x Type-C with 100W charging power), USB Hub 3.2 (1x Typ-C, 3x Typ-A) + USB-B, Audio Out, 1x RJ45 + Adj. Webcam 5M IR/Mic array





Vero B248YGbemiqprcuzx

SPECIFICATIONS



Technical Specifications

Diagonal size	60.5 cm (23.8 inches)
Active display area (WxH)	527x296 mm
Aspect ratio	16:9
Resolution	1920x1080
Panel type	IPS Technology
Response time	4ms(GTG), 1ms(VRB)
Brightness	300 cd/m ²
Backlight type	LED
Acer CrystalBrite	No, anti-reflective display
Viewing angle (h/v) CR>10:1	178/178 °
Static contrast ratio	1500:1
Dynamic contrast ratio	100M:1
Colors	16.7M
Colour space	99% sRGB
Speaker	2 x 2 watts
Signal input	1x HDMI, 1xDP(1.2) + 1xDPOut, (1x Type-C with 100W charging power), USB Hub 3.2 (1x Typ-C, 3x Typ-A) + USB-B, Audio Out, 1x RJ45 + Adj. Webcam 5M IR/Mic array (1x Type-C with 100W charging power)
USB Type-C	
Chassis colour	Black
Frequency (H/V)	-
Refresh rate (max.)	120Hz
HDMI	1x (HDMI 2.0)
DisplayPort	1xDP(1.2) + 1xDPOut
VGA	-
DVI	-
USB 3.1 Type-C	Yes
USB Hub	USB Hub 3.2 (1x Typ-C, 3x Typ-A) + USB-B
Audio	1x
Additional ports	1x RJ45 + Adj. Webcam 5M IR/Mic array

Power supply and consumption

Power supply	Internal
EPREL No.	2111930
Energy Efficiency Class	E
On-mode Power	15 kWh/1000h
HDR Energy Efficiency Class	G
HDR On-mode Power	28 kWh/1000h
Standby mode Power	0,5 W
Off mode Power	0,3 W

ErgoStand

Tilt angle	-5°~35°
Swivel angle	+/-60°
Height adjust range	165 mm
Pivot function	+/-90°
VESA wall mounting	100x100 mm

Norms and Standards

Warranty	36 months Carry In
Certification	TCO Edge, Win 10 compliant, EnergyStar
EPEAT	EPEAT Gold
MTBF	30,000 hrs. at 25°C

Dimensions and weight

Dimension (W x H x D)	640.30x362.10~527.10x186.10 mm
Dimension w/o stand (W x H x D)	540.30x324.30x49.90 mm
Weight (unpacked)	5.66 kg
Package Dimensions	63x42x16.70
Weight (packed)	8,2 kg
Weight w/o stand	3.35 kg
Pallet qty and size (H x W x D)	60 Pcs (114x114x224 cm)
Container qty (20' / 40')	600 / 1,200

Others

PCR / OBP	PCR 85% + OBP 5%
Kensington Security Slot	Yes

Ordering Information

Model	Vero B248YGbemiqprcuzx
Product line	B8 Series
Part number	UM.QB8EE.G01
EAN	4711474232465

Special features

Special Features	-
Acer VisionCare	Yes
KVM Switch	Yes
Acer Display Widget	Yes
HDR Support	HDR Ready (HDR 10)

This data sheet is subject to change without notice. Availability may vary from region to region. Acer is not liable for any errors or omissions contained in the product descriptions. In addition to the standard warranty conditions, the statutory warranty regulations also apply to consumers. For more information on exclusions and limitations, please refer to our warranty conditions for the respective product. If the warranty period in the PDF document for the warranty conditions differs from the information on the Acer homepage, the information given on this website applies and not the information contained in the PDF. Copyright 2024 Acer, Inc. All rights reserved. Acer and the Acer logo are registered trademarks of Acer Incorporated. All other trademarks, registered trademarks and/or service marks mentioned or otherwise recognizable are the property of their respective owners. All prices quoted are manufacturer's suggested retail prices.



MacBook Pro (14-inch, M4 Pro or M4 Max, 2024) - Tech Specs

Year introduced: 2024

Finish	Space Black Silver
Chip	Apple M4 Pro chip 12-core CPU with 8 performance cores and 4 efficiency cores, 14-core CPU with 10 performance cores and 4 efficiency cores 16-core GPU, 20-core GPU Hardware-accelerated ray tracing 16-core Neural Engine 273GB/s memory bandwidth Media Engine Hardware-accelerated H.264, HEVC, ProRes and ProRes RAW Video decode engine

Video encode engine
ProRes encode and decode engine
AV1 decode

Configurable to:

M4 Pro with 14-core CPU and 20-core GPU or M4 Max with 14-core CPU and 32-core GPU (410GB/s memory bandwidth) or M4 Max with 16-core CPU and 40-core GPU (546GB/s memory bandwidth)

Apple M4 Max chip

14-core CPU with 10 performance cores and 4 efficiency cores
32-core GPU
Hardware-accelerated ray tracing
16-core Neural Engine
410GB/s memory bandwidth

Media Engine

Hardware-accelerated H.264, HEVC, ProRes and ProRes RAW
Video decode engine
Two video encode engines
Two ProRes encode and decode engines
AV1 decode

Configurable to:

M4 Max with 16-core CPU and 40-core GPU (546GB/s memory bandwidth)

Apple Intelligence¹

Apple Intelligence is the personal intelligence system that helps you write, express yourself and get things done effortlessly. With groundbreaking privacy protections, it gives you peace of mind that no one else can access your data — not even Apple.

[Learn more about Apple Intelligence](#)

Display

Liquid Retina XDR display

14.2-inch (diagonal) Liquid Retina XDR display;² 3024x1964 native resolution at 254 pixels per inch

XDR (Extreme Dynamic Range)

1,000,000:1 contrast ratio
XDR brightness: 1,000 nits sustained full-screen, 1,600 nits peak³ (HDR content only)
SDR brightness: up to 1,000 nits (outdoor)

Colour

1 billion colours
Wide colour (P3)
True Tone technology

Refresh rates

ProMotion technology for adaptive refresh rates up to 120Hz
Fixed refresh rates: 47.95Hz, 48.00Hz, 50.00Hz, 59.94Hz, 60.00Hz

Configurable with:

Nano-texture display

Memory

Apple M4 Pro chip

24GB unified memory

Configurable to:

36GB (M4 Max with 14-core CPU) or 48GB (M4 Pro and M4 Max with 16-core CPU) or 64GB or 128GB (M4 Max with 16-core CPU)

Apple M4 Max chip

36GB unified memory

Configurable to:

48GB, 64GB or 128GB (M4 Max with 16-core CPU)

Battery and Power

M4 Pro⁵

Up to 22 hours video streaming

Up to 14 hours wireless web

72.4-watt-hour lithium-polymer battery

70W USB-C Power Adapter (included with M4 Pro with 12-core CPU)

96W USB-C Power Adapter (included with M4 Pro with 14-core CPU, configurable with M4 Pro with 12-core CPU)

USB-C to MagSafe 3 Cable

Fast-charge capable with 96W USB-C Power Adapter

M4 Max⁵

Up to 18 hours video streaming

Up to 13 hours wireless web

72.4-watt-hour lithium-polymer battery

96W USB-C Power Adapter

USB-C to MagSafe 3 Cable

Fast-charge capable with 96W USB-C Power Adapter

Storage⁶

Apple M4 Pro chip

512GB SSD

Configurable to:

1TB, 2TB or 4TB

Apple M4 Max chip

1TB SSD

Configurable to:

2TB, 4TB or 8TB

Charging and Expansion

SDXC card slot

HDMI port

3.5mm headphone jack

MagSafe 3 port

Three Thunderbolt 5 (USB-C) ports with support for:

Charging

DisplayPort

Thunderbolt 5 (up to 120Gb/s)

Thunderbolt 4 (up to 40Gb/s)

USB 4 (up to 40Gb/s)

Display Support

M4 Pro

Simultaneously supports full native resolution on the built-in display at 1 billion colours and:

Up to two external displays with up to 6K resolution at 60Hz over Thunderbolt, or one external display with up to 6K resolution at 60Hz over Thunderbolt and one external display with up to 4K resolution at 144Hz over HDMI

One external display supported at 8K resolution at 60Hz or one external display at 4K resolution at 240Hz over HDMI

M4 Max

Simultaneously supports full native resolution on the built-in display at 1 billion colours and:

Up to four external displays: up to three external displays with 6K resolution at 60Hz over Thunderbolt and one external display with up to 4K resolution at 144Hz over HDMI

Up to three external displays: up to two external displays with 6K resolution at 60Hz over Thunderbolt and one external display with up to 8K resolution at 60Hz or one external display with 4K resolution at 240Hz over HDMI

Thunderbolt 4 digital video output

Support for native DisplayPort 1.4 output over USB-C

Thunderbolt 5 digital video output

Support for native DisplayPort 2.1 output over USB-C

HDMI digital video output

Support for one display with up to 8K resolution at 60Hz or 4K resolution at 240Hz

Video Playback

Supported formats include HEVC, H.264, AV1 and ProRes

HDR with Dolby Vision, HDR10+/HDR10 and HLG

Audio Playback

Supported formats include AAC, MP3, Apple Lossless, FLAC, Dolby Digital, Dolby Digital Plus and Dolby Atmos

Keyboard and Trackpad

Backlit Magic Keyboard with:

78 (US) or 79 (ISO) keys including 12 full-height function keys and 4 arrow keys in an inverted "T" arrangement

Touch ID

Ambient light sensor

Force Touch trackpad for precise cursor control and pressure-sensing capabilities; enables Force clicks, accelerators, pressure-sensitive drawing and Multi-Touch gestures

Wireless

Wi-Fi

Wi-Fi 6E (802.11ax)⁸

	Bluetooth Bluetooth 5.3
Camera	12MP Center Stage camera with support for Desk View 1080p HD video recording Advanced image signal processor with computational video
Audio	High-fidelity six-speaker sound system with force-cancelling woofers Wide stereo sound Support for Spatial Audio when playing music or video with Dolby Atmos on built-in speakers Spatial Audio with dynamic head tracking when using AirPods (3rd generation), AirPods 4, AirPods Pro, AirPods Pro 2 and AirPods Max Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming 3.5mm headphone jack with advanced support for high-impedance headphones HDMI port supports multi-channel audio output
Operating Requirements	Line voltage: 100V to 240V AC Frequency: 50Hz to 60Hz Operating temperature: 10° to 35° C (50° to 95° F) Storage temperature: -25° to 45° C (-13° to 113° F) Relative humidity: 0% to 90% non-condensing Operating altitude: tested up to 3,000 metres (10,000 feet) Maximum storage altitude: 4,500 metres (15,000 feet) Maximum shipping altitude: 10,500 metres (35,000 feet)
Size and Weight	Height: 1.55 cm (0.61 inches) Width: 31.26 cm (12.31 inches) Depth: 22.12 cm (8.71 inches) Weight (M4 Pro): 1.60 kg (3.5 pounds) ⁹ Weight (M4 Max): 1.62 kg (3.6 pounds) ⁹
Operating System	macOS macOS is the most advanced desktop operating system in the world. macOS Sequoia helps you be productive and creative in new ways — with Apple Intelligence, ¹ iPhone Mirroring, window tiling, major updates to Safari and more. Learn more about latest operating system
Accessibility	Accessibility features help people with disabilities get the most out of their new MacBook Pro. With built-in support for vision, hearing, mobility and learning, you can create and do amazing things. Learn more about Accessibility

Features include:

Voice Control	Siri and Dictation
VoiceOver	Switch Control
Zoom	Closed Captions
Increase Contrast	Text to Speech
Reduce Motion	

Built-in Apps¹⁰

App Store	Keynote	Podcasts
Books	Mail	Preview
Calendar	Maps	QuickTime Player
Contacts	Messages	Reminders
FaceTime	Music	Safari
Find My	News	Shortcuts
Freeform	Notes	Stocks
GarageBand	Numbers	Time Machine
Home	Pages	TV
iMovie	Photo Booth	Voice Memos
iPhone Mirroring	Photos	Weather

In the Box

14-inch MacBook Pro

70W USB-C Power Adapter (M4 or M4 Pro with 12-core CPU) or 96W USB-C Power Adapter (M4 Pro with 14-core CPU and M4 Max)

USB-C to MagSafe 3 Cable (2m)

Polishing cloth (only with nano-texture display option)

Configure to Order

Configure your MacBook Pro with these options at apple.com:

M4 Pro with 14-core CPU, 20-core GPU and 16-core Neural Engine

M4 Max with 14-core CPU, 32-core GPU and 16-core Neural Engine

M4 Max with 16-core CPU, 40-core GPU and 16-core Neural Engine

36GB unified memory (M4 Max with 14-core CPU)

48GB unified memory (M4 Pro and M4 Max with 16-core CPU)

64GB unified memory (M4 Max with 16-core CPU)

128GB unified memory (M4 Max with 16-core CPU)

1TB, 2TB or 4TB SSD (M4 Pro and M4 Max)

8TB SSD (M4 Max)

96W USB-C Power Adapter (included with M4 Pro with 14-core CPU and M4 Max)

Nano-texture display

MacBook Pro and the Environment

Environmental impact

The 14-inch MacBook Pro is designed to reduce environmental impact:¹¹

[See the 14-inch MacBook Pro Product Environmental Report \(PDF\)](#)

Progress towards Apple 2030

More than 35% recycled content¹²

45% of manufacturing electricity sourced from low-carbon electricity¹³

More than 45% emissions reduction against business-as-usual scenario as modelled by Apple¹⁴

[See Apple's commitment](#)

Materials

100% recycled aluminium in the enclosure

100% recycled rare earth elements in all magnets

100% recycled tin in the solder of multiple printed circuit boards

100% recycled copper in multiple printed circuit boards and a thermal module component

100% recycled gold in the plating of multiple printed circuit boards

90% recycled steel in the keyboard feature plate

35% or more recycled plastic in 15 components

Energy

45% of manufacturing electricity for the 14-inch MacBook Pro is sourced from low-carbon electricity¹³

ENERGY STAR® certified¹⁵

Packaging

100% fibre-based packaging¹⁶

51% recycled content in fibre packaging

Waste

No established final assembly sites generate waste sent to landfill as part of Apple's Zero Waste Programme

Smarter chemistry¹⁷

Arsenic-free glass

Mercury-, BFR- and PVC-free

Declared noise emission values in accordance with ECMA-109

Acoustic Performance

	Sound Power Level $L_{WA,m}$ (B)	Sound Pressure Level Operator Position $L_{pA,m}$ (dB)
Idle	1.3 ($K_v = 0.3$)	3
Wireless web	1.3 ($K_v = 0.3$)	3

1. $L_{WA,m}$ is the mean A-weighted sound power level, rounded to the nearest 0.1 B.
2. $L_{pA,m}$ is the mean A-weighted sound pressure level measured at operator position (rounded to the nearest 1 dB).
3. 1 B (bel) = 10 dB (decibel).
4. K_v is the statistical adder for computing upper-limit of A-weighted sound power level.
5. The quantity, $L_{WA,c}$ (formerly called L_{WAd}) may be computed from the sum of $L_{WA,m}$ and K_v .
6. The wireless web test browses 6 tabs with a mix of content including media.
7. Configuration tested: M4 Max, 14-core CPU / 32-core GPU, 36GB unified memory, 2TB storage.

1. Apple Intelligence is available in beta on all Mac models with M1 and later, with Siri and device language set to US English, as a macOS Sequoia update. English (Australia, Canada, Ireland, New Zealand, South Africa, UK) language support available this December. Some features and support for additional languages, like Chinese, English (India, Singapore), French, German, Italian, Japanese, Korean, Portuguese, Spanish, Vietnamese and others, will be coming over the course of the next year.
2. The displays on the 14-inch and 16-inch MacBook Pro have rounded corners at the top. When measured as a standard rectangular shape, the screens are 14.2 inches and 16.2 inches diagonally (actual viewable area is less).
3. In temperatures less than 25° C.
4. Testing conducted by Apple August to October 2024 using pre-production 14-inch MacBook Pro systems with Apple M4, 10-core CPU, 10-core GPU, 24GB of RAM and 1TB SSD. Wireless web battery life tested by browsing 25 popular websites while connected to Wi-Fi. Video streaming battery life tested with 1080p content in Safari while connected to Wi-Fi. Display brightness set to 8 clicks from the bottom and keyboard backlight was off. Battery life varies by use and configuration. See apple.com/uk/batteries for more information.
5. Testing conducted by Apple August to October 2024 using pre-production 14-inch MacBook Pro systems with Apple M4 Pro, 14-core CPU, 20-core GPU, 24GB of RAM and 1TB SSD; and pre-production 14-inch MacBook Pro systems with Apple M4 Max, 14-core CPU, 32-core GPU, 36GB of RAM and 2TB SSD. Wireless web battery life tested by browsing 25 popular websites while connected to Wi-Fi. Video streaming battery life tested with 1080p content in Safari while connected to Wi-Fi. Display brightness set to 8 clicks from the bottom and keyboard backlight was off. Battery life varies by use and configuration. See apple.com/uk/batteries for more information.
6. 1GB = 1 billion bytes and 1TB = 1 trillion bytes; actual formatted capacity less.
7. Price varies depending on storage capacity.
8. Wi-Fi 6E available in countries and regions where supported.
9. Weight varies by configuration and manufacturing process.
10. iMovie, GarageBand, Pages, Numbers and Keynote are available on the Mac App Store. Downloading apps requires an Apple Account and a device that is compatible with the OS version required for each app. iPhone Mirroring is not available in all countries and regions. Some iPhone features (e.g., camera and microphone) are not compatible with iPhone Mirroring.
11. Data accurate as of product launch.
12. Product recycled or renewable content is the mass of certified recycled material relative to the overall mass of the device, not including packaging or in-box accessories.
13. We estimate the percentage of electricity-related emissions in our manufacturing that is sourced from low-carbon electricity by attributing to our carbon model low-carbon energy procured by our suppliers in the prior fiscal year, based on the supplier manufacturing allocations at time of product launch. Included in this number is only low-carbon electricity that Apple or its suppliers have procured as part of Apple's Supplier Clean Energy Programme.
14. Carbon reductions are calculated against a business-as-usual scenario as modelled by Apple: 1) No use of clean electricity for manufacturing or product use, beyond what is already available on the latest modelled grid (based on regional emissions factors). 2) Apple's carbon intensity of key materials as of 2015 (our baseline year for our 2030 product carbon-neutrality goal). Carbon intensity of materials reflects use of recycled content and production technology. 3) Apple's average mix of transport modes (air, rail, sea, land) by product line across three years (fiscal years 2017 to 2019) to best capture the baseline transport emissions of our products.
15. ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the US Environmental Protection Agency.
16. Based on retail packaging as shipped by Apple. Breakdown of US retail packaging by weight. Adhesives, inks and coatings are excluded from our calculations of plastic content and packaging weight.
17. Apple's Regulated Substances Specification describes Apple's restrictions on the use of certain chemical substances in materials in Apple products, accessories, manufacturing processes, and packaging used for shipping products to Apple's end customers. Restrictions are derived from international laws or directives, regulatory agencies, eco-label requirements, environmental standards and Apple policies. Every Apple product is free of PVC and phthalates except for AC power leads in India, Thailand (for two-pin AC power leads) and the Republic of Korea, where we continue to seek government approval for our PVC and phthalates replacement. Apple products comply with the European Union Directive 2011/65/EU and its amendments, including exemptions for the use of lead such as high-temperature solder. Apple is working to phase out the use of these exempted substances for new products where technically possible.

Helpful?

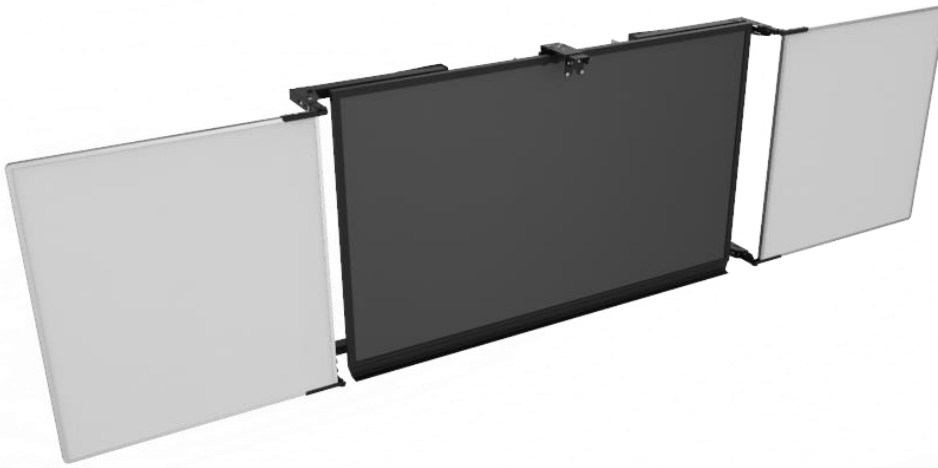
Yes No

Support MacBook Pro (14-inch, M4 Pro or M4 Max, 2024) - Tech Specs



Part No	90NR0NE1-M000B0
Sales Model Name	GA605KM-NEBULA007X
EAN Code	4711636089111
UPC Code	199291089112
WEEE	2.553
BASE UNIT	VSNR0NE1-BU1201
Marketing Name	ROG Zephyrus G16
Operating System	Windows 11 Pro
Office	1-month trial for new Microsoft 365 customers. Credit card required.
Color	Eclipse Gray
Dimension (W x D x H)	35.4 x 24.6 x 1.49 ~ 1.64 cm (13.94" x 9.69" x 0.59" ~ 0.65")
Weight	1.85 Kg (4.08 lbs)
Processor	AMD Ryzen™ AI 7 350 Processor 2.0GHz (24MB Cache, up to 5.0GHz, 8 cores, 16 Threads); AMD XDNA™ NPU up to 50TOPS
Chipset	N/A
Intergrated GPU	AMD Radeon™ Graphics
Discrete/Optimus	MUX Switch + NVIDIA® Advanced Optimus
Graphic	NVIDIA® GeForce RTX™ 5060 Laptop GPU
Graphic Wattage	ROG Boost: 1737MHz* at 105W (1687MHz Boost Clock+50MHz OC, 90W+15W Dynamic Boost)
Graphic Memory	8GB GDDR7
Neural Processor	AMD XDNA™ NPU up to 50TOPS
Panel Size	16-inch
Resolution	2.5K (2560 x 1600, WQXGA) 16:10 aspect ratio
Refresh Rate	240Hz
Response Time (G2G)	0.2ms
Viewing Angle	89/89/89/89
Panel Tech	OLED
Brightness	500 nits
Contrast Ratio	1,000,000:1
DCI-P3 %	100%
Glare	Glossy display
Adaptive-Sync technology	G-Sync / Adaptive-Sync
Pantone	Pantone Validated
Nebula Display	ROG Nebula Display
Support Dolby Vision HDR	Yes
On board memory	32GB LPDDR5X 7500 on board(Actual memory speeds may vary by CPU configuration.)
Total System Memory	LPDDR5X 32GB
Memory Slot	N/A
Memory Max.	32GB

Multi-channel memory technology	Support dual channel memory technology
Storage	1TB PCIe® 4.0 NVMe™ M.2 SSD
M.2 slots support either SATA or NVMe	2
M.2 SSD Support List	1TB M.2 NVMe PCIe 4.0 SSD 2TB M.2 NVMe PCIe 4.0 SSD
Expansion Slot (includes used)	2x M.2 PCIe
LAN	N/A
Wireless	Wi-Fi 7(802.11be) (Triple band) 2*2+Bluetooth® 5.4 Wireless Card (*Bluetooth® version may change with OS version different.)
I/O Ports	1x Type-C USB 4 with support for DisplayPort™ / power delivery (data speed up to 40Gbps) 1x USB 3.2 Gen 2 Type-C with support for DisplayPort™ / power delivery (data speed up to 10Gbps) 2x USB 3.2 Gen 2 Type-A (data speed up to 10Gbps) 1x card reader (SD Card) (SD Express 7.0)
Display output	1x HDMI 2.1 FRL
Camera	1080P FHD IR Camera for Windows Hello
Mic	Built-in 3-microphone array
Keyboard Type	Backlit Chiclet Keyboard 1-Zone RGB With Copilot key *Copilot in Windows (in preview) is rolling out gradually within the latest update to Windows 11 in select global markets. Timing of availability varies by device and market. Learn more: https://www.microsoft.com/en-us/windows/copilot-ai-features?r=1#fan
Aura Sync	Yes
Touchpad	Touchpad
Speakers	N/A
Audio	4-speaker (dual force woofer) system with Smart Amplifier Technology, 2 Tweeters 1x 3.5mm Combo Audio Jack
Audio Tech	Built-in 3-microphone array AI noise-canceling technology Dolby Atmos Hi-Res certification (for headphone) Smart Amp Technology
Security	BIOS Administrator Password and User Password Protection Pluton Security Processor Secured-core PC (Level 3) Trusted Platform Module (Firmware TPM)
Antivirus	McAfee® 30 days free trial
Battery	90WHrs, 4S1P, 4-cell Li-ion
Fast charging	Recharge from 0-50% in 30 minutes
Power	Rectangle Conn, 200W AC Adapter, Output: 20V DC, 10A, 200W, Input: 100-240V AC, 50/60Hz universal
Required charging power	Min: 45W Max: 100W *The indicated wattage is for demonstrating the system's support capability as required by EU regulations. For optimal system performance, please use the standard-wattage adapter or higher.
Xbox Game Pass	Xbox Game Pass for PC_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass for PC. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)
Ecolabels & Compliances	ENERGY STAR®
Reparability Index (for France)	9.3



As digital touch panel technology enters more class-, conference and congress rooms, traditional writing surfaces are often lost to teachers and presenters.

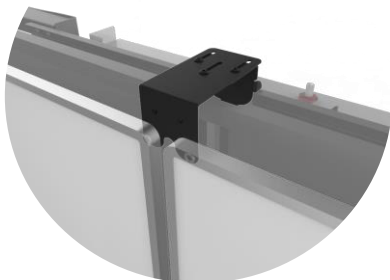
With the BalanceBox® Winx® 4b Touchscreen Whiteboard Frame you can combine touchscreen technology with the functionality of traditional whiteboards.

The Winx® 4b is one of the whiteboard solutions for the BalanceBox® 650 mounting system, next to the Winx® 4 and the Winx® 6.

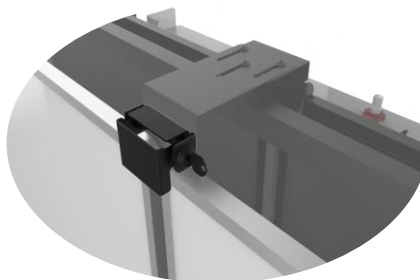
The Winx® 4b is compatible with most touch panels, in combination with our Universal VESA Bracket with a VESA pattern up to 800 x 600 (art.no. 481A70), which is included. The Winx® 4b comes in two versions, to be used with screen sizes between 70 - 75" and 80 - 86" respectively.

The high-quality enameled steel, double-sided pivoting, whiteboard surfaces are mounted easily and quickly on to the BalanceBox® 650 height adjustable mount, which makes your screen dynamic height adjustable. The whiteboard surfaces allow for the use of magnets for posting notes or attaching markers.

Winx® 4b features:



Winx® 4b Whiteboard Stop (included)



Winx® 4b Whiteboard Lock
(Sold separately, article number 481A80)



Winx® 4b Whiteboard Hinges
(adjustable, 4x included)





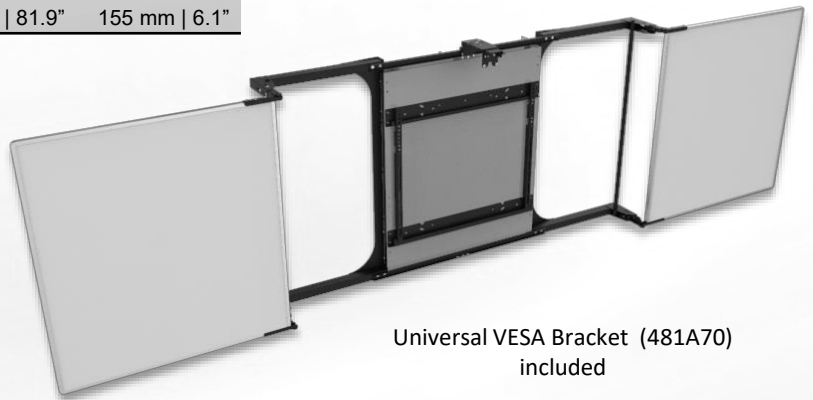
Technical specifications

Materials & Colors	Welded steel frame, powder coated textured Black (RAL9005) Glossy white enameled steel whiteboards with anodized aluminum edging			
Safety / Certification	CE			
BalanceBox® 650 (not included)	To determine which BalanceBox® 650 you need, add the weights of your panel, the Winx® 4b frame and all accessories (for example the Winx® 4b Whiteboard Lock) together. If you need assistance, please do not hesitate to contact our sales manager in your region: www.heightadjustablemounts.com/contact-en			
Dimensions	Please check out the table below (with maximum screen sizes) for dimensions per model. Maximum VESA pattern: 800x600			
Shipping Dimensions	Length	Width	Height	
481A78001	Box size 1 unit	1125 mm 44.3"	595 mm 23.4"	240 mm 9.4"
	Bulk shipment: 8 units* per pallet (1200x1000 mm 47.2" x 39.4")	1200 mm 47.2"	1000 39.4"	1332 mm 52.4"
	Whiteboards (on separate pallet)	1045 mm 41.1"	970 mm 38.2"	50 mm 2"
481A79001	Box size 1 unit	1190 mm 46.9"	735 mm 28.9"	240 mm 9.4"
	Bulk shipment: 8 units* per pallet (1200x1000 mm 47.2" x 39.4")	1200 mm 47.2"	1000 mm 39.4"	1619 mm 63.7"
	Whiteboards (on separate pallet)	1195 mm 47"	1112 mm 43.8"	50 mm 2"
Whiteboards	2x double-sided white enameled steel with aluminum edging - Panel / screen size 70-75": 985 x 910 mm 38.8" x 35.8" - 10 kg 22 lbs - Panel / screen size 80-86": 1135 x 1052 mm 44.7" x 40.4" – 11 kg 24.3 lbs			
VESA Bracket	481A70 – Universal VESA Bracket (included)			
Accessories	481A13 – BalanceBox® 650 Floor Support 481A80 – Winx® 4b Whiteboard Lock			

Art. Number	Description	Writable surfaces	White-boards	For screen sizes between	Product weight*	Shipping weight**
481A78001	Winx-4b 75" for BalanceBox®650	4	2	70" to 75"	40 kg 88.2 lbs	48 kg 105.8 lbs
481A79001	Winx-4b 86" for BalanceBox®650	4	2	80" to 86"	43,5 kg 95.9 lbs	54 kg 119 lbs
* Product Weight includes 2 whiteboards ** Shipping Weight includes packaging (excluding pallet)						

Maximum panel sizes

Art. Number	Diagonal	Height	Width	Depth
481A78001	70" to 75"	1095 mm 43.1"	1790 mm 70.5"	155 mm 6.1"
481A79001	80" to 86"	1242 mm 48.8"	2080 mm 81.9"	155 mm 6.1"



Universal VESA Bracket (481A70)
included

Illustrations may differ from reality

Číslo dokladu:

Referent:

Telefon:

E-mail:



Datum:

Datum platnosti:

11.07.2025

18.07.2025

Dodavatel:

Af Office, s.r.o.

Jednořadá 1051/53

160 00 Praha 6 - Bubeneč

IČ: 26768771

DIČ: CZ26768771

Odběratel:

**Gymnázium a Střední odborná škola
pedagogická, Čáslav, Masarykova 248**
Masarykova 248/24
286 01 Čáslav - Nové Město
IČ: 61924041

Platební údaje:

Způsob úhrady:

Bankovním převodem

Požadovaná záloha:

0,00 Kč

Úrok z prodlení za každý den po splatn. 0,1% z fakt. částky

Splatnost dní:

Banka:

Číslo účtu:

Konstantní symbol:

Variabilní symbol:



Popis	Ks	Cena bez DPH	Sazba	DPH	Cena celkem
Ubiquiti U7-Pro - UniFi7 AP U7 Pro	2	3 470,00 Kč	21%	1 457,40 Kč	8 397,40 Kč
ASUS ROG Zephyrus G16 <i>Ryzen AI 7 350 / 32GB / 1TB SSD / RTX 5060 8GB / 16" / 2,5K / OLED / 240Hz / 2y PUR / Win 11 Pro / šedá</i>	5	53 990,00 Kč	21%	56 689,50 Kč	326 639,50 Kč
MacBook Pro 14" M4 PRO CZ 2024 Vesmírně černý, s Nanotexturou <i>PN: Z1FE002PJ</i>	1	77 490,00 Kč	21%	16 272,90 Kč	93 762,90 Kč
LYNX MS PowerMedia <i>MS Windows 11 Pro Standard 1stCOOL skříň GAMER 4, Mid tower, AU, USB 3.0, USB-C, 2x120mm, průhledná bočnice, bez zdroje, černá GIGABYTE zdroj P650G, 650W, 80Plus GOLD, 120 mm GIGABYTE MB Sc AM4 B550 EAGLE WIFI6, AMD B550, 4xDDR4, 1xHDMI, WiFi CPU AMD RYZEN 5 5600X, 6-core, 3,7 GHz (4,6 GHz Turbo), 35MB cache (3+32), 65W, socket AM4, Wraith Stealth Endorfy chladič CPU Fera 5 ARGB / ultratichý/ 120mm fan/ 4 heatpipes / PWM/ ARGB / LGA1851/ AM5 KINGSTON DIMM DDR4 32GB (Kit of 2) 3200MT/s CL16 FURY Beast RGB, XMP MSI VGA NVIDIA GeForce RTX 5060 Ti 16G VENTUS 2X OC PLUS, RTX 5060 Ti, 16GB GDDR7, 3xDP, 1xHDMI Kingston SSD 1TB NV3, M.2 2280, NVMe PCIe Gen4x4, (R: 6000MB/s; W: 4000MB/s) Rozšířená záruka LYNX 36 měsíců</i>	2	22 390,00 Kč	21%	9 403,80 Kč	54 183,80 Kč
Acer B248YGbemiqprcuxz <i>23,8"/IPS/FHD/120Hz/4ms/Black/2R</i>	2	4 640,00 Kč	21%	1 948,80 Kč	11 228,80 Kč
NewLine Elara PRO 86"	2	83 540,00 Kč	21%	35 086,80 Kč	202 166,80 Kč
-Montážní set	2	1 400,00 Kč	21%	588,00 Kč	3 388,00 Kč
-Montáž	2	9 600,00 Kč	21%	4 032,00 Kč	23 232,00 Kč
BalanceBox Winx 86 + BalanceBox 650 Heavy	2	48 540,00 Kč	21%	20 386,80 Kč	117 466,80 Kč
-Montážní set	2	1 400,00 Kč	21%	588,00 Kč	3 388,00 Kč
-Montáž	2	9 600,00 Kč	21%	4 032,00 Kč	23 232,00 Kč
Kerbal Space Program Complete Edition	15	500,00 Kč	21%	1 575,00 Kč	9 075,00 Kč



Rozpis DPH

Sazba	Základ	Daň
21%	724 100,00 Kč	152 061,00 Kč
Celkem k úhradě	876 161,00 Kč	

Af Office, s.r.o. Jednořadá 1051/53, Praha 6 - Dejvice, 160 00, tel. 235 362 575, fax.: 233 342 003,

ičo: 26768771, dič: CZ26768771, banka:

Společnost Af Office, s.r.o. je zapsána v OR u Městského soudu v Praze oddíl C vložka 92433 / 01

Zboží zůstává až do úplné úhrady vystavené faktury majetkem firmy Af Office, s.r.o.

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Hvězdná soustava

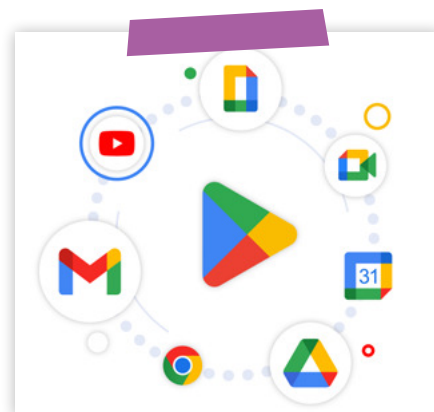
NOVINKA 2024

Elara je osmý největší měsíc Jupiteru. A s velikostí pouhých 2 % Evropy se jedná o nejmenší ze čtyř Galileových měsíců.



NABIJTE VÁŠ PRACOVNÍ PROSTOR PRO SPOLUPRÁCI

Elara Pro, **Google EDLA** certifikovaná výkonná prezentační jednotka s bezproblémovou integrací s Google Apps. Flexibilní řešení zajišťující vynikající uživatelský zážitek v jakémkoli pracovním prostoru. Vysoce přesné psaní, pohlcující zvuk se subwooferem, přihlašování pomocí NFC a hybridní UC nově definují spolupráci. Dodejte vašemu pracovnímu prostoru nový rozměr a nastavte nový standard firemní dokonalosti s Elara Pro.



MODULÁRNÍ SYSTÉM

Naše neomezená řešení zdokonalí vaše zážitky a zkušenosti. Pomocí příslušenství Newline si nastavíte displej podle potřeby. Zkombinujte je a vytvořte tak dokonalé nastavení na míru.



INTERAKTIVNÍ EKOSYSTÉM SPOLEČNOSTI NEWLINE

Interaktivní ekosystém společnosti Newline zvyšuje produktivitu o všestranné nástroje, které lze snadno integrovat s jakýmkoli softwarem nebo zařízením tak, aby byly splněny veškeré učební potřeby.

WHITEBOARD

CAST+

ENGAGE

CLASSROOM TOOLS

DISPLAY MANAGEMENT

WiFi 6
CERTIFIED

Vylepšená
technologie
Wi-Fi a Bluetooth



Spotřeba 100 W
USB typu C



Zabezpečené
profily pro více
uživatelů



Mocný
Výkon



Vysoce kvalitní
zvukový systém
včetně subwooferu



Podpora
SDM-S

65"

75"

86"

MODEL

ELARA Pro 65"	TT-6523QCA+
ELARA Pro 75"	TT-7523QCA+
ELARA Pro 86"	TT-8623QCA+

PANEL

Podsvícení	Direct LED (široký barevný gamut + nízká úroveň modrého světla)
Skleněný povrch	Antireflexní + oleofobní + antimikrobiální temperované sklo
Technologie lepení	Certifikovaná technologie Zero Bonding
Zobrazovací plocha	65": 1428 x 803 mm 75": 1650 x 928 mm 86": 1895 x 1066 mm
Poměr stran displeje	16:09
Rozlišení	3840 x 2160 (4K)
Barvy	1,07 miliardy
Jas	450 cd/m ²
Kontrastní poměr	5000 : 1
Doba odezvy	5 ms
Pozorovací úhel	178°
Doba životnosti displeje	≥ 50 000 hodin
Průhlednost	> 88%
Zmatnění	2 % - 5 %
Tvrdost dotykového povrchu	7H

SPOTŘEBA ENERGIE

Standardní režim*	65": 133 W 75": 150 W 86": 168 W
Pohotovostní režim*	< 0,5 W

DOTYKOVÉ OVLÁDÁNÍ

Dotyková technologie	Dotyková technologie Stellar
Dotykové body	40 Windows 20 Android/MAC/Linux
Nástroje pro psaní na dotykovou obrazovku	Pasivní pero, prst, pěst
Počet per	2
Přesnost	± 1 mm
Necitlivost na dlaň	✓

REPRODUKTOR

Umístění reproduktoru	Vpředu
Jmenovitá impedance reproduktoru	6 Ω
Frekvenční rozsah reproduktoru	250 Hz – 20 kHz, SPL -10 dB
Hladina akustického tlaku	90 ± 3 dB
Maximální výkon reproduktoru	2 x 20 W

SUBWOOFER

Umístění reproduktoru	Zadní strana
Jmenovitá impedance reproduktoru	4 Ω
Frekvenční rozsah reproduktoru	20 Hz – 20 kHz, SPL -10 dB
Hladina akustického tlaku	77 ± 2 dB
Maximální výkon reproduktoru	1 x 20 W

MIKROFON

Poloha mikrofonu	Soustava 8 mikrofonů vpředu nahoře
Vzdálenost snímání	8 metrů
Funkce mikrofonu	Potlačení ozvěny, technologie Beamforming, redukce šumu

MODUL KAMERY AI

Kamera	Součást zařízení (ModCam+)
Rozlišení kamery	3840 x 2160/ 30 fps (4K)
Zorné pole	Objektiv s FOV 120°
Rozsah naklonění kamery	15°

PŘEDNÍ VSTUPY A VÝSTUPY

USB typu C (funkce napájení 100 W)	1
HDMI IN 2.1 s HDCP 2.2	1
USB-B 3.2 (dotykové ovládání)	1
USB-A 3.2	2
Vstup mikrofonu	1

ZADNÍ VSTUPY A VÝSTUPY

HDMI IN 2.1 s HDCP 2.2	2
DisplayPort 1.2	1
USB-B (dotykové ovládání)	3
USB-C 3.0 (Napájení 15 W)	1
USB-C 3.2	Out x 1
USB-A 3.2	2
USB-A 3.0 na vestavěné rozhraní	1
HDMI OUT 2.0 (4K @60 Hz)	1
RS232	1
RJ-45 (Gigabit)	In x 1 / Out x 1
Slot OPS	1
SPDIF	1
Linkový audio výstup	1
Slot pro modul Wi-Fi	1
NFC	1
Slot pro modul SDM-S	1
Výstupní konektor napájení (180 W)	1

CHYTRÝ SYSTÉM

Čipová sada SoC	Osmijádrový procesor Rockchip RK3588, 4x Cortex-A76 s frekvencí 2,4 GHz, 4x Cortex-A55 s frekvencí 1,8 GHz
Grafický adaptér	Mali Odin G610 MC4
Paměť RAM	16 GB (DDR4)
Celková paměť uložení	320 GB (Rozšiřitelná)
Operační systém	Android 13 s certifikací
Google EDLA	✓
Podporované formáty obrazových souborů	JPG, JPEG, BMP, PNG
Podporované formáty video souborů	MPEG1, MPEG2, MPEG4, Sorenson H.263, H.264, MVC, AVS, AVS+, WMV3, VC1, Motion JPEG, VP8, VP9, RV30/RV40
Podporované formáty audio souborů	MPEG1/LAYER1/2; @LAYER2; @LAYER3, EAC3, ACC-LC, HEAAC, VORBIS, LPCM, IMA-ADPCM, MS-ADPCM, G711 A/MU-LAW, LBR (COOK), FLAC
Modul Wi-Fi 6 + Bluetooth 5.2	Integrovaný (vyměnitelný)

EXTRA FUNKCE FIRMWARU

Profil pro více uživatelů	✓
Certifikace Google	✓
Vestavěné aplikace Google	✓

PŘEPRAVA/SKLADOVÁNÍ

Vnější rozměry* (bez nástěnného držáku)	65": 1513 x 927 x 118 mm 75": 1735 x 1051 x 119 mm 86": 1982 x 1191 x 119 mm
Čistá hmotnost*	65": 39 kg 75": 52 kg 86": 65 kg
VESA*	65": 600 x 400 mm 75": 800 x 400 mm 86": 800 x 400 mm

* Uvedené údaje jsou orientační a mohou být předmětem změn. Nejsou zatím považovány za konečné.

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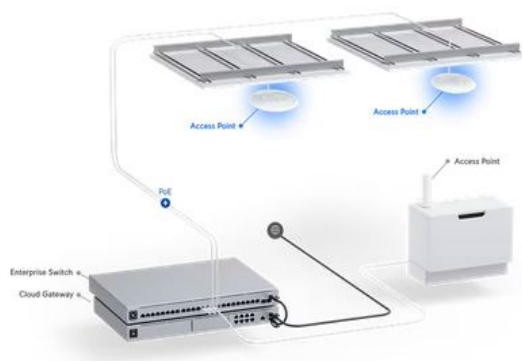
Newline-interactive.com/eu

Kontaktujte nás na:

Linka technické podpory:

2023 Newline Interactive Europe S.L. Všechna práva vyhrazena, logo Newline je registrovaná ochranná známka ve Spojených státech a dalších zemích po celém světě. Specifikace produktů se mohou v jednotlivých regionech lišit. Se žádostí o podrobné informace se obraťte na naše místní pobočky. Hmotnosti a rozměry jsou přibližné. Stávající funkce a specifikace produktů mohou být změněny bez předchozího upozornění. Tento materiál může obsahovat obchodní názvy a ochranné známky třetích stran, které jsou majetkem těchto třetích stran.

U7 PRO DATA SHEET



Mechanical

Dimensions	Ø206 x 46 mm (Ø8.1 x 1.8")
Weight	680 g (1.5 lb)
Enclosure material	Polycarbonate, metal
Mount material	Stainless steel (SUS304), galvanized steel (SGCC)

Hardware

Networking interface	(1) 1/2.5 GbE RJ45 port
Management interface	Ethernet
Power method	PoE+
Power supply	UniFi PoE switch
Supported voltage range	44—57V DC
Max. power consumption	21W

Max. TX power	
2.4 GHz	22 dBm
5 GHz	26 dBm
6 GHz	23 dBm

MIMO	
2.4 GHz	2 x 2
5 GHz	2 x 2
6 GHz	2 x 2

Throughput rate	
2.4 GHz	688 Mbps
5 GHz	2882 Mbps
6 GHz	5765 Mbps

Antenna gain	
2.4 GHz	4 dBi
5 GHz	6 dBi
6 GHz	5.8 dBi

LEDs	White/blue
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Button	Factory reset
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Mounting	Wall/ceiling (Included)
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Ambient operating temperature	-30 to 60° C (-22 to 140° F)
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Ambient operating humidity	5 to 95% noncondensing
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Certifications	CE, FCC, IC
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Software

WiFi standards	802.11a/b/g/n/ac/ax/be
Wireless security	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3/PPSK)
BSSID	8 per radio
VLAN	802.1Q
Advanced QoS	Per-user rate limiting
Guest traffic isolation	Supported
Concurrent clients	300+

Supported Data Rates

802.11a	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11b	1, 2, 5.5, 11 Mbps
802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11n	6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40)
802.11ac (WiFi 5)	6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 20/40/80/160)
802.11ax (WiFi 6/6E)	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2, HE 20/40/80/160)
802.11be (WiFi 7)	7.3 Mbps to 5.7 Gbps (MCS0 - MCS13 NSS1/2, EHT 20/40/80/160/240/320)

Application Requirements

UniFi Network	Version 8.0.26 and later
UniFi OS	Version 3.2 and later