SPECIFICATIONS

Model	Venus-224	Venus-244
Processor	Intel® 10nm 11th Generation. Tiger Lake i7/i5/i3/Celeron	
System Memory	DDR4 up to 16GB	
OS Support	Microsoft® Windows 11 ,Microsoft® Windows 10 (64bit) , Ubuntu 20.04 LTS , IGEL (thin client solution)	
Grahpics	Intel® UHD Graphics	
Storage	m.2 SSD up to 1TB	
Wireless Communication	802.11 ax/ac/a/b/g/n + BT 4.0 (optional)	
Touchscreen	Projective Capacitive Touch (optional)	
Speakers	3 W x 1	
Trusted Platform Module	TPM 2.0	
Security	Smart Card Reader (optional) , Imprivata RFID reader (optional) , Barcode reader (optional)	
Waterproof	Front IP65 ; rear IPX1	
Display	21.5"	23.8"
Resolution	FHD 1980 x 1080	
Max. Colors	16.7 M	
Contrast Ratio	3000:1	
Luminance (cd/m2)	250	
IO	Rear I/O :USB 3.0 x2, USB 2.0 x2 ,Front button I/O : USB 3.0 x2 , HDMI 1.4 x1 , COM port x2 Combo audio port x1 , 1.5kv isolated Gigabit LAN x2 , 19V DC–in x1	
VESA	75/100 mm VESA mount	
Operating Temperature	0°C ~40°C[32°F ~104°F]	
Storage Temperature	–20°C ~ 60°C[–4°F ~ 140°F]	
Storage Humidity	10%~95%@35°C, non-condensing	
Dimension	510[L] x 78.4[W] x 346[H]	560[L] x 78.4[W] x373[H]
Net Weight	6kg	7kg

Contact Information

Onyx Healthcare Inc.

2F., No.135, Lane 235, Pao Chiao Rd.,
Xindian Dist., New Taipei City 231,
Taiwan (R.O.C.)
Tel: 886-2-8919-2188
Fax: 886-2-8919-1699
E-mail: sales@onyx-healthcare.com

Onyx Healthcare EUROPE B.V.

Primulalaan 42, 5582 GL, Waalre,
The Netherlands
Tel: +31-(0)499-745600
E-mail: eusales@onyx-healthcare.com

Onyx Healthcare USA, Inc.

324 W. Blueridge Ave.,
Orange, CA 92865
Tel: +1-714-792-0774
Fax: +1-714-792-0481
E-mail: usasales@onyx-healthcare.com

www.onyx-healthcare.com

Windows 11

NEW VENUS 4TH GENERATION
VENUS-224/244

INTEL 10NM TIGER LAKE PROCESSOR

The 4th generation Venus is powered by the latest 11th Gen Intel® Core™ processors that deliver a balance of performance and responsiveness in a low-power platform built on the third-generation 10nm process technology.

DUAL HOT-SWAPPABLE BATTERIES

The hot-swappable battery design allows any Venus with dead batteries to come immediately back to full power without the need to wait for charging.

onyx
Smart Healthcare
an ASUS assoc. co.

THOROUGHLY TEMPERED

Since the 1st generation of Venus was launched in 2013, we have taken the market by storm with our special dual hot-swappable battery design, selling nearly 40,000 Venus units and 200,000 batteries in more than 1,000 hospitals around the world.
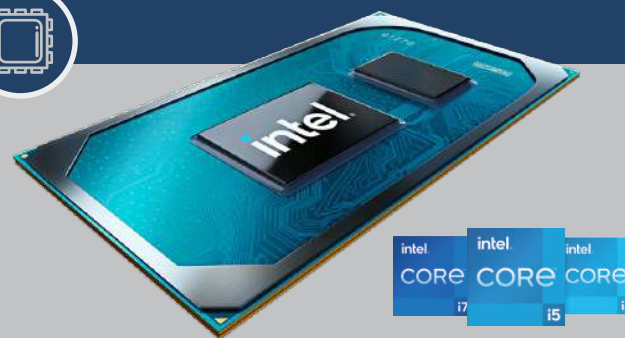
40,000 Venus

200,000 Batteries

1,000 Hospitals

NEW VENUS 4TH GENERATION
PRODUCT FEATURE

Onyx Smart Screensaver

Venus 224/244

intel

Dual hot-swappable batteries

Intel® 10nm Tiger Lake Processor

Intel® 10nm Tiger Lake Processor

The 4th generation Venus is powered by the latest 11th Gen Intel® Core™ processors that deliver a balance of performance and responsiveness in a low-power platform built on the third-generation 10nm process technology. The platform combines a high-performance CPU, up to 23% faster single thread performance, and up to 19% faster multi-thread performance. With new Intel® Iris® Xe graphics, the platform offers up to 2.95 times faster graphics performance, plus PCI Express 4.0 and Thunderbolt™ 4/USB4. Engineered to deliver optimum results for IoT markets, these processors can support low-latency and time-sensitive applications, and have the power to run multiple workloads including AI and deep learning applications on a single platform.

Dual hot-swappable batteries

Naturally, Venus retains its signature feature of dual hot-swappable batteries. The hot-swappable battery design allows any Venus with dead batteries to come immediately back to full power without the need to wait for charging. The new Venus is still compatible with the original battery system, but we have strengthened the waterproofing of the battery bay, as well as simplified the battery switch-out process, improving from the original 3 second, two-step process to a one step execution that takes only 1 second.

Onyx Smart Screensaver

Differing from the traditional Windows screensaver, the Onyx smart screensaver can automatically log out and close the screen in just a few seconds after a user walks away from the computer, protecting sensitive information and increasing power savings. The Onyx smart screensaver is simple to set up through our exclusive IR technology and does not require any personal information. Even wearing a mask does not affect its functionality.
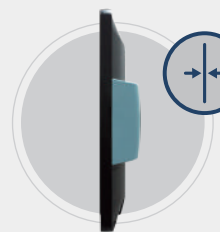
Slim Design

In the past, in order to achieve medical grade protection, computers often needed to be bulky and heavy. Through the efforts of the Onyx team, we have broken through this limitation, offering users medical-grade protection in a lighter, slimmer, and more modern design.

Reading light/UV light (optional)

In the previous generation of Venus, the reading light was a very distinctive part of the design that allowed users to complete their work more easily in dim environments. With this new generation we will provide another option, by upgrading the reading light to a UV light, so that when the cart sits idle, it can effectively assist in disinfecting the desktop and nearby equipment.

Onyx RushRecovery(optional)

As computers become more powerful, the number and complexity of their operations grow. When PC settings are changed unexpectedly, they can often cause a computer to crash. In hospitals, patient safety often includes a race against time, where computer crashes must be recovered from as quickly as possible. RushRecovery is a solution designed by Onyx and Apacer that can restore your system's original state, allowing hospitals to deal with computer abnormalities with almost no loss to data or productivity.

Extending battery life/run time

Battery management is a hidden IT cost for hospitals, so allowing a battery to run longer and with more cycles will save on these kinds of expenses, whether it is in management costs or battery procurement costs. With the user's consent, the new generation of Venus can collect battery usage behavior with ORION and then calculate the best settings for each battery to extend its life and cycles. This backward compatible technology even works with old batteries.

Alarm LED (optional)

A customized RGB LED can be installed on the upper front side of the Venus and connect to applications to act as an intuitive reminder, for example, as an emergency call bell, or equipment malfunction warning light.

Customizable button (optional)

A customizable button can be installed on the underside of the Venus that can link to applications to trigger special functions such as turning off the LCD, or calling for help.

DC output (optional)

Our users chose Venus to replace the bulky batteries of traditional battery care carts, meaning that Venus should provide support as a power output device for additional power to secondary devices when needed. The optional 50W DC output allows users to easily connect dual monitors, thermal printers and other external devices without the need to prepare additional power.

Dual Wi-Fi & dual SSD

Venus has built-in dual M.2 slots supporting two Wi-Fi modules for devices such as endoscopes, ultrasound and other devices that require a large bandwidth wireless network connection. Venus can connect to the Internet and these devices at the same time, to easily transfer images to the network in real time.
The dual SSD design also allows users to separate the operating system from the data storage area, so that data is better protected.

Extension bracket

Depending on how the Venus is installed, users will need something on which to place items. The Venus is designed with a bracket that can be extended to conveniently place items such as a barcode reader and thermal printer.

Barcode reader (optional)

A facedown barcode reader can be installed on the underside of the Venus for scanning medicines or receipts.