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ABOUT ONYX

Onyx Healthcare Inc. is headquartered in Taiwan, with satellite offices in the Netherlands and California, and provides services to tier-1 medical instrument companies worldwide and as an NVIDIA Partner Network "NPN" Partner now. Onyx is a professional medical IT company in providing trusted, innovative products, customer-centric design services and medical pc solutions. Onyx cooperates closely with our partners to provide comprehensive medical products such as AI Ready Medical PC, Smart View Medical Stations, Fanless Slim Panel PC, Medical Display, Healthcare Infotainment, Mobile Tablet PC, Medical PC and Mobile Computing Cart, UPower Bank in the professional Hospital / Clinical IT market. Our products offer the advantages of filmless and paperless interaction in the hospital environment with certifications for ISO 13485, IEC/UL 60601-1, ISO 14971 risk management, and FDA registration. Product longevity is 7-10 years standard, with an optional extended 10-year support program. Onyx won notable awards such as the Taiwan Excellence Award / National Innovation Award / UK Best Medical AI Solutions Developer Award / Best Choice Award.



■ PRODUCT APPLICATION FOCUS: HOSPITAL IT

» High-Acuity Task Area

The emergency department, Intensive care, labor and delivery units, neonatal ICUs, operating rooms, post-anesthesia care units, and the radiology department.

» Clinic/Nursing Station Area

PACs processing and daily hospital tasks.

» Outpatient Area

Patient monitoring and patient home care.

■ FEATURE PRODUCTS :

» Medical IT

Advanced Medical Stations, Medical Grade Slim Panel PCs, Medical Grade Fanless Panel PCs.

» Medical Platform

Mobile Nursing Cart, Bedside Infotainment Terminal.

» Medical IT & Platform Accessory

Medical Grade Monitors, Medical Mounting Accessories.



OEM/ ODM SERVICE

■ FULL EXPERIENCE OF MEDICAL CERTIFICATIONS:

No need to worry about the problem of getting documents. With internal and external test laboratories, our experienced LAB engineers with more 10 years make sure your product certified. Onyx can help you bring your market to USA, Europe and China quickly.

- ◆ ISO 9001: 2015
- ◆ ISO 13485: 2016
- ◆ ISO 14001: 2015
- ◆ FCC Class A and Class B
- ◆ EMC: EN60601-1-2: 2015/A1:2021
- ◆ Safety: IEC 60601-1: 2005/AMD2:2020
- ◆ FDA Class II
- ◆ CCC: GB 4943 1-2011 / GB 9254-2008 / GB 17625 1-2012
- ◆ UL: ANSI / AAMI ES 60601-1: 2015 &A1:2012&A2:2021
- ◆ UL:CAN/CSA-C22.2 No.60601-1:14(IEC60601-1:2005+A1:2012+A2



■ ONYX HEALTHCARE IS THE FIRST COMPANY WITH EMC 4.0 / SAFE 3.1 READY PRODUCTS

All Onyx products in mass production comply with electromagnetic compatibility directive (2014/30/EU) and low voltage directive (LVD) (2014/35/EU) which applicable standards listed below

EN55032:2015/A1:2020
EN55035:2017/A1:2020

IEC 62368-1:2020+AMD2:2020

Furthermore, Onyx's products are in conformity with all applicate requirements of the below harmonized and/or additional standards.

IEC 60601-1:2005/AMD2:2020
IEC 60601-1-2:2014/AMD1:2020
EN60601-1-2:2015/A1:2021

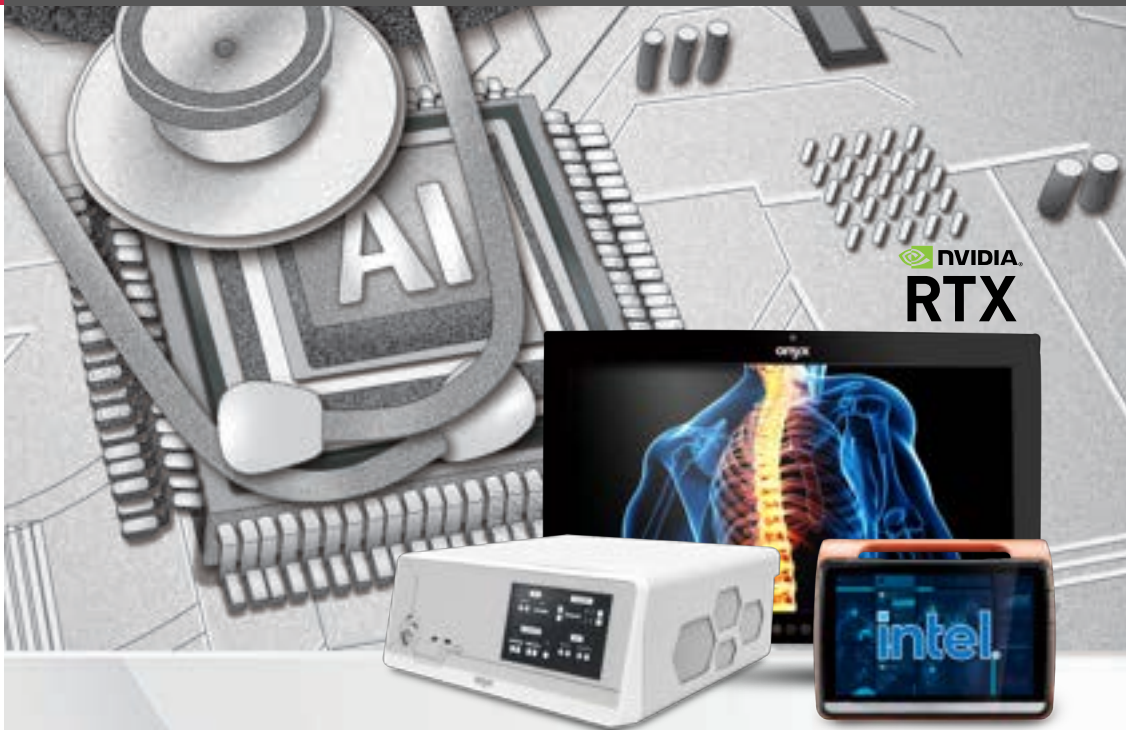


MEDICAL AI RESEARCH CENTER

■ ONYX-NTUST MEDICAL AI JOINT RESEARCH CENTER

Given the rapid development of AI applications in medicine and healthcare in the twenty-first century, NTUST and Onyx Healthcare established the Onyx Healthcare-NTUST Medical AI Joint Research Center in 2017. The center encompasses work in medical engineering, medical imaging, big data analytics, AR and VR medical training, embedded system development, and others. By combining specialized expertise, NTUST and Onyx Healthcare together provide healthcare clients across the world with one-stop services that integrate medical AI modelling and simulation, software/hardware design, and manufacturing operations. Furthermore, the collaboration helps clients develop successful medical AI products and generally contributes to the medical and healthcare industry overall. Edition 3.1 and EMC Edition 4.0 and please refer to the following product list.





ONYX AI INFERENCE HARDWARE

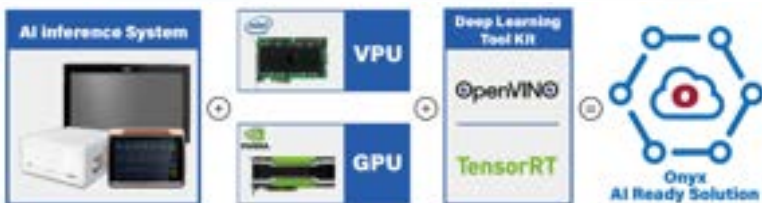
As technology advances at an every quickening pace, it is artificial Intelligence (AI) that is leading the way forward to a future where we are surrounded by automation and universal connectivity.

Hardware supporting the current AI industrial revolution must also increase its processing capabilities with every new generation to not only keep pace with, but help drive forward technological innovation.

Onyx continues its role as a major technology innovator by creating new products focused on AI Inference at the Edge. Our AI-ready products include devices with support for Nvidia and Intel solutions, medical grade AI boxes, mobile tablets for AI inference, and the first AI all-in-one PC.

Key Features:

- Support NVidia/intel Solution
- Medical grade AI Box
- The first Jetson AI All in One PC
- Mobile tablet support AI inference



* Note: All specifications are subject to change without notice.

NVIDIA. NVIDIA AIoT SOLUTION

Artificial intelligence (AI) is becoming more popular in different applications, Onyx is partnering with NVIDIA to develop new AI medical products. These products highlight Onyx's close relationship with NVIDIA in our combined commitment to create better, and smarter AI medical devices and applications. With our close collaboration in medical AI product development and shared worldwide marketing programs, Onyx and NVIDIA are advancing innovation for medical AI applications.

NVIDIA HOLOSCAN NVIDIA Holoscan is a domain-agnostic, multimodal AI sensor processing platform that delivers the accelerated, full-stack infrastructure needed for real-time processing of streaming data at the edge or in the cloud.

Features



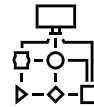
Sensor Processing

Build end-to-end sensor-processing pipelines. Prioritizing performance, usability (Python and C++), and production readiness, Holoscan offers seamless I/O integration through bring-your-own (BYO) sensor, AI model inference, and BYO model capabilities.



Low Latency

Use the Holoscan SDK's data transfer latency tool to measure complete, end-to-end latency for sensor-processing applications.



Reference AI Pipelines

Access AI reference pipelines for radar, high-energy light sources, endoscopy, ultrasound, and other sensor-streaming applications.

NVIDIA Holoscan for Medical Devices

It provides domain-specific capabilities for medical device developers for the clinical edge. It allows companies in the medical device industry to explore new AI-powered capabilities, accelerate time to market, and lower development and maintenance costs for medical-grade devices.



**NVIDIA
RTX**



NVIDIA.



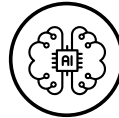
NVIDIA has partnered with Onyx Healthcare to take on the challenges of the Medical AI Age. The healthcare industry constantly demands new AI algorithms for computing paradigms to meet the growing need for personalized medicine, next-generation clinics, enhanced quality of care, and breakthroughs in biomedical research to treat disease. With NVIDIA and Onyx Healthcare working together, healthcare institutions can harness the power of artificial intelligence and high-performance computing to define the future of medicine. Onyx Healthcare sets the standard for a professional and reliable medical computer partner that we're honored to be working with.

AI INFERENCE WITH NVIDIA ADA GENERATION

NVIDIA GPU provides an immediate path to greater deep learning performance. GPUs had evolved into highly parallel multi-core systems, allowing very efficient manipulation of large blocks of data. This design is more effective than general-purpose central processing unit (CPUs) for algorithms in situations where processing large blocks of data is done in parallel. Processing large blocks of data is basically what deep learning does.



aetherAI



**HIGH PERFORMANCE
AI INFERENCE SYSTEM**

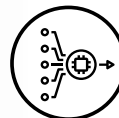


AI EDGE COMPUTING WITH NVIDIA JETSON PLATFORM

ACCEL-JS series with NVIDIA Jetson platform is a compact, high performance medical AI accelerator especially designed to fit AI market segments. Medical AI developers can utilize the ACCEL-JS series to build containerized AI-skills on the Jetson software stack. With sidecar deployment, aftermarket medical devices can be upgraded to perform AI functions with easy deployment. Furthermore, medical instruments can also have Jetson Platform easily built-in with its compact size, reaching new generations with powerful AI performance. Onyx also provide OEM/ODM service. Help partner perfectly integrate medical device to healthcare field.



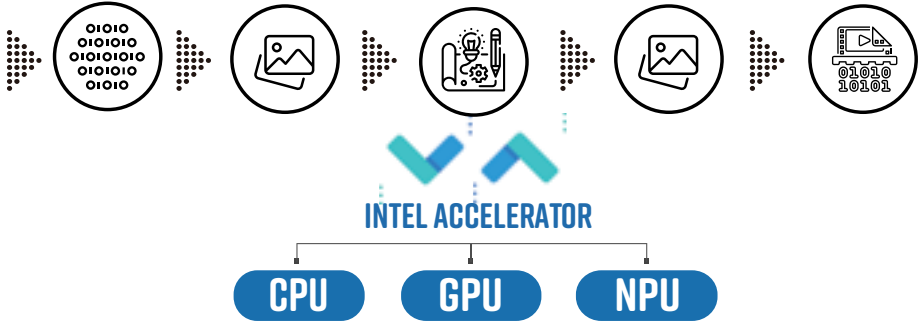
**NVIDIA JETPACK SDK FOR
END-TO-END AI APPLICATIONS
DEPLOYMENT**



**MULTIPLE I/O SUPPORT
FOR VIDEO TO DO COMPUTING
& ANALYSIS**



INTEL DISTRIBUTION OF OpenVINO™ TOOLKIT



INTEL AI ACCELERATOR: INTEL® ARC™ GPU

Introducing the newest entrant in the graphics universe: Intel® Arc™ A-Series graphics. With built-in machine learning, graphics acceleration, and ray tracing hardware, Intel Arc graphics contains the world's most advanced technologies uniting the latest in visual technologies, and rich content creation across mobile and desktop form factors. Intel® Arc™ A370M GPU is up to 2x faster than Intel® Iris® Xe Graphics.



Arc™ A750E PCIe Card



Arc™ A370M/A350M MXM Module



INTEL DISTRIBUTION OF OPENVINO™ TOOLKIT

Maintaining cost-efficiency while achieving exceptional GPU performance is made possible with OpenVINO. The latest OpenVINO 2023.1 release makes generative AI more accessible for real world scenarios with added broader model support, reduced memory usage, and the introduction of additional compression techniques for large language models (LLMs). Powered by the Intel® Distribution of OpenVINO™ toolkit, to meet the various performance, power, and price requirements of any use case.





MAIN SPECIFICATIONS

Processor	Intel® 14th Gen i9-14900 (TDP 65W)	Intel® 14th Gen i9-14900 (TDP 65W)
System Memory	DDR5 4800 MHz SODIMM x 2, support up to 64GB	DDR5 4800 MHz SODIMM x 2, support up to 64GB
Chipset	R680E	R680E
OS Support	Windows® 11 IoT, Windows® 10 IoT, Linux®	Windows® 11 IoT, Windows® 10 IoT, Linux®
Expansion Interface	PCI Express[x4] x1, M.2 2280 (M-key) x 1	PCI Express[x4] x1, M.2 2280 (M-key) x 1
Storage Disk Drive	2.5" SATA HDD/SSD x 2, M.2 2280 NVMe SSD x 1	2.5" SATA HDD/SSD x 2, M.2 2280 NVMe SSD x 1
Security	Trusted Platform Module 2.0	Trusted Platform Module 2.0
Wireless Communication	WiFi 6E+Bluetooth 5.3 with M.2 2230 & two dual band antennas	WiFi6E+Bluetooth 5.3 with M.2 2230 & two dual band antennas
Speaker	5W x 2	5W x 2
Function Key	Power On/Off, LCD Brightness Up/Down, Touch Screen On/Off, Video Input Select	Power On/Off, LCD Brightness Up/Down, Touch Screen On/Off, Video Input Select

DISPLAY

Size/ Type	32" LCD	27" LCD
Max. Resolution	3840 x 2160	3840 x 2160
Luminance	500 nits	500 nits
Viewing Angle	178(H)/178(V)	178(H)/178(V)
Contrast Ratio	1000:1	1000:1
Back Light Life Time	30,000 Hours	50,000 Hours
Touch Screen	Capacitive Multi-Touch	Capacitive Multi-Touch

I/O

USB	USB 3.2 Gen 2 x 4, USB 3.2 Type C x 1 (5V,3A)	USB 3.2 Gen 2 x 4, USB 3.2 Type C x 1 (5V,3A)
Serial Ports	RS232 x 2	RS232 x 2
Ethernet	Isolated LAN x2	Isolated LAN x2
Video In	HDMI x1	HDMI x1
Video Out	Display Port x1	Display Port x1
Audio	Mic-in (optional), Line-out (optional)	Mic-in (optional), Line-out (optional)

MECHANICAL AND ENVIRONMENTAL

Power Requirement	100~240V AC	
Power Consumption	TBC	TBC
Operating Temperature	0°C to 35°C (32°F~95°F)	
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)	
Dimension	778 x 478 x 80 mm (approx.)	676 x 429 x 80 mm (approx.)
Packing Size	TBC	
Gross Weight	TBC	
Net Weight	15.5Kg (approx.)	11Kg (approx.)
Certifications	CE: EN 60601-1-2:2015(V4.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.2)	



ACCEL-A2401

24" FHD 9th Generation Xeon / Core i7 Medical AI in One PC for AI Inference



ACCEL-A2203

22" Medical AI Accelerator with NVIDIA Ampere MXM Graphics

MAIN SPECIFICATIONS

Processor	Intel® 9th Generation Xeon E-2276ML 2.0GHz Six Core / Core i7-9850HL 1.9GHz Six Core
System Memory	ECC (for Xeon) / Non-ECC (for Core i7) DDR4 SODIMM up to 64GB
Chipset	CM246 (for Xeon) / QM370 (for Core i7)
OS Support	Windows® 10, Windows® 11, Linux®
Expansion Interface	PCI Express[x16] x1, PCI Express[x4] x1, PCI Express[x1] x1
Storage Disk Drive	2.5" SATA Hard Disk Drive/Solid State Disk Drive x2
Security	Trusted Platform Module 2.0
Wireless Communication	802.11ac, Bluetooth 5
Speaker	5W x 2

DISPLAY

Size/ Type	24" LCD
Max. Resolution	1920 x 1080
Luminance	400 nits
Viewing Angle	178(H)/178(V)
Contrast Ratio	1000:1
Touch Screen	Capacitive Multi-Touch

I/O

USB	USB 3.0 x4
Serial Ports	Isolated RS-232 x2(optional)
Ethernet	Isolated Gigabit LAN x2
Video Out	Display Port 1.4 x1
Audio	Mic(optional), Line out(optional)

MECHANICAL AND ENVIRONMENTAL

Power Consumption	Full loading : 75 Watts
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	595 x 387 x 95 mm
Packing Size	764 x 240 x 534 mm
Gross Weight	14 kg (30.9 lb)
Net Weight	11 Kg (24.3 lb)
Certifications	CE: EN 60601-1-2: 2015 +A1: 2021 (V4.1), EN 60601-1: 2007 + A1: 2013 +A2: 2021 (V3.2) EN 55032: 2015/A1: 2020 EN 55035: 2017/A1: 2020 (ITE), IEC 62368-1: 2020+A11: 2020 (ITE) FCC: Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1: 2012 A2: 2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1: 2012+A2: 2020, MOD) (V3.2)

MAIN SPECIFICATIONS

Processor	Intel® 14th Gen Core i9-14900/ i7-14700/ i5-14500 (TDP 65W)
System Memory	Support Dual Channel DDR5 5600Mhz SODIMM up to 96GB
MXM Graphics	NVIDIA RTX A1000/A2000/ A4500
OS Support	Windows® 10, Windows® 11, Linux®
Storage Disk Driver	M.2 2242 M Key NVMe x 1
Security	Trusted Platform Module 2.0 , Imprivata RFID Reader (optional)
Wireless Communication	802.11 ax (optional), Bluetooth 5.3 (optional)

DISPLAY

Size	22" LCD
Resolution	1920 x 1080
Luminance	250 nits
View Angle	178*(H)/178*(V)
Contrast Ratio	1000:1
Back Light Life Time	50,000 Hours
Touch Screen	Capacitive Multi-Touch

I/O

USB	USB 3.2 Gen2 x 4, USB 3.2 Type C x 1 (optional)
Ethernet	2.5 Gigabit LAN x 1, Gigabit LAN x 1
Video Out	HDMI 2.0b x 2, Display Port 1.4a x 1
Audio	Mic-in, Line-out

MECHANICAL AND ENVIRONMENTAL

Power Requirement	Medical Adapter 300W 12V
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Degree of Protection	IP65 in the front ; IPX1 in the back
Dimension	542 x 355 x 64 mm (approx.)
Packing Size	711 x 195 x 503 mm
Gross Weight	11.5 kg
Net Weight	8.5 Kg
Certifications	CE: EN 60601-1-2: 2015(V4.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1: 2012 (V3.2) cUL: CAN/CSA-C22.2 No. 60601-1: 2014 (V3.2)



ACCEL-VM1000

Dual GPU card Medical AI Edge PC with Intel 13/12th Gen Core i9 CPU



ACCEL-VM500

Medical AI Computing Platform with 9th Generation Intel Xeon / Core i7 CPU

MAIN SPECIFICATIONS

Processor	Intel® 13/12th Generation Core I Processor	Intel® Xeon E-2278GE 3.3GHz / Core i7-9700E 2.6Ghz
System Memory	Supports ECC DDR4 3200 DIMM x 4 up to 128GB	Supports DDR4 2133 DIMM x 4 up to 64GB
Chipset	Intel® W680	Intel® C246
OS Support	Windows® 10,11 , Linux® (optional)	Windows® 10,11 , Linux® (optional)
Storage Disk Drive	2.5" SATA SSD x 2, M.2 2280 NVMe SSD x 1	2.5" SATA SSDx 2, M.2 2280 SSD x 1
TPM	2.0	2.0

I/O

USB	USB 3.2 Gen 2 Type A x 5, USB Gen 2 20G Type C x 1	Rear USB 3.1 Gen 1 x 4, Front USB 2.0 x 2 or USB 3.0 x 2(optional)
Ethernet	2.5G LAN x 3	Gigabit LAN x 2
Video Out	HDMI 2.0 x 1, DP 1.4 x 1, VGA x 1	DP x 1, VGA x 1, HDMI x 2
Audio	Line-in x 1, Mic-in x 1, Line-out x 1	Line-in, Mic-in, Line-out
Series Ports	RS232 x 2	RS232x2
Extension area	2 x PCIe Gen4 Slots (PCIe1/PCIe3: single at x16(PCIe1); dual at x8 (PCIe1) / x8 (PCIe3)) with x16 connector PCIe [x 4] x 2 M.2 2230 E Key x 1 M.2 2280 M Key [PCIe x 4] x 1	M.2 E key (2230) for WIFI x1, PCIe [x16] x1 PCIe [x4] x2 , PCIe [x1] x 1
Optional Capture I/O	4Kp60: HDMI 2.0 in FHD:1xHDMI, 1xDVI-I, 1xYPbPr, 1xSDI, 1xCVBS, 1xS-Video	4Kp60: HDMI 2.0 in FHD:1xHDMI, 1xDVI-I, 1xYPbPr, 1xSDI, 1xCVBS, 1xS-Video

MECHANICAL AND ENVIRONMENTAL

Power Consumption	100V to 240V AC Input, 1500W or 700W	100V to 240V AC Input, 500W
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)	
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)	
Dimension	420 x409 x169 mm	330 x357.4 x168 mm
Packing Size	630 x 310 x 565 mm	566 x 290 x 480 mm
Gross Weight	12 kg	10 kg
Net Weight	11 kg	8 kg
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN 55035:2017/A11:2020 (ITE) IEC 62368-1:2020+A11:2020 (ITE) FCC: Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/ A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)	



ACCEL-VM300

Slim Size Medical AI Computing Platform
with Intel® 13th generation Core I Processor



ACCEL-JS200

NVIDIA IGX platform for Medical AI imaging application

MAIN SPECIFICATIONS

Processor	Intel® 13th generation Core I Processor
System Memory	Support DDR4 3200 SO-DIMM x 2 up to 64GB
Chipset	Intel® Q670
OS Support	Windows® 10,11, Linux® (optional)
Storage Disk Driver	2.5" SATA SSD x 2 M.2 M Key NVMe x 2
TPM	2.0

I/O

USB	USB 3.2 Gen 2 x 4, USB 2.0 x 2
Ethernet	2.5 GigaLAN x 2
Video out	HDMI x 1, DP x 2, VGA x 1
Audio	Mic-in x 1, Line-out x 1
Serial Ports	RS-232 x 2
Function I/O	Grounding Pin x 1
Power	AC input
Front I/O	USB 3.0 x 2, Power Button x 1
Extension Area	M.2 E Key 2230 x 1 for Wireless module
	PCIe [x4] x1 (Optional)
	PCIe [x16] x1

MECHANICAL AND ENVIRONMENTAL

Power Consumption	100V to 240V AC Input
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	420 x 87 x 370 mm
Packing Size	500 x 228 x 632 mm
Gross Weight	11 kg
Net Weight	8kg
Certifications	CE: EN 60601-1-2:2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN 55035:2017/A11:2020 (ITE) IEC 62368-1:2020+A11:2020 (ITE) FCC: Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD)(V3.2)

MAIN SPECIFICATIONS

AI Engine	NVIDIA IGX Orin Soc Industrial Module
CPU	12-core Arm® Cortex®-A78AE v8.2
System Memory	64GB 256-bit LPDDR5 204.8 GB/s
Graphics	2,048-core NVIDIA Ampere architecture with 64 Tensor Cores
Storage	M.2 NVMe SSD x 1 / 2.5" SATA SSD x2 /64GB eMMC 5.1
OS Support	Linux® 22.04 with Jetpack 6.0
Front Screen (Optional)	7" LED Panel with P-Cap Touch , 400nits, 1280 x 800
Security	Infineon Aurix TC397
NVIDIA BMC	Aspeed AST2600 , Microchip ERoT

I/O

USB	4 x USB 3.2 Gen 2 Type A , 1 x USB 3.2 Gen 2 Type C
Ethernet	2 x 100GbE QSFP28 ports, 2 x 1GbE RJ45
Video Out	1 x Display Port 1.4a
Video input (optional)	1 x 12G SDI +1 x HDMI 2.0 HDMI 2.0(Max resolution up to 4096x2160@60fps) 12G SDI(Max resolution up to 4096x2160@60fps)
Audio	3 x 3.5mm AU Jacks(MIC, Line-in and Speaker out)
Series Ports	2 x COM Port
Function Port	Grounding pin x 1
Front I/O	1 x Power Button with Power LED indicator 2 x USB 2.0 Type A
Wireless Communication	1 x M.2 Key E Key for Wireless Module 1 x M.2 Key B for 5G/LTE module
Expansion I/O	1 x PCIe Gen5 Double Width Slot (x16) for A6000 1 x PCIe Gen5 Single Width Slot (x8)

MECHANICAL AND ENVIRONMENTAL

Power	100V to 240V AC Input, 700W Medical Power Supply
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	400 x 166 x 407 mm
Packing Size	560 x 305 x 628 mm
Gross Weight	14 kg
Net Weight	12 kg
Certifications	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013/A12:2014 (V3.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)



ACCEL-JS1100

NVIDIA Jetson AGX Orin platform with 5" front touch screen for Medical AI imaging application



ACCEL-JS1000

NVIDIA Jetson AGX Orin platform for Medical AI imaging application

MAIN SPECIFICATIONS

AI Engine	NVIDIA Jetson AGX Orin	NVIDIA Jetson AGX Orin
CPU	8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2+4MB L3	8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3 (ACCEL-JS1000-N1)
	12-core Arm® Cortex®-A78AE v8.2 64-bit CPU 3MB L2 +6MB L3	12-core Arm® Cortex®-A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3(ACCEL-JS1000-N2)
System Memory	32GB or 64GB 256-bit LPDDR5 204.8 GB/s	32GB or 64GB 256-bit LPDDR5 204.8 GB/s
Graphics	1792-core NVIDIA Ampere GPU with 56 Tensor Cores	1792-core NVIDIA Ampere GPU with 56 Tensor Cores (ACCEL-JS1000-N1)
	2048-core NVIDIA Ampere GPU with 64 Tensor Cores	2048-core NVIDIA Ampere GPU with 64 Tensor Cores (ACCEL-JS1000-N2)
OS Support	Ubuntu with Jetpack	Linux® with Jetpack OS
Security	TPM 2.0	TPM 2.0
Speaker	2W x Speaker x 2	2W x Speaker x 2

I/O

USB	USB 3.2 Type A x 2, USB 3.2 Type C x 1	USB Type C x 2 for USB 3.2 ,one only support APXmode , USB Type A x 2 for USB 2.0
Ethernet	GigaLAN x 1, 10G LAN x 1	Gigabit LAN x 1
Video Out	HDMI 2.0 x 1 or 12G SDI x1	HDMI 2.0 x 1
Video Input	3G SDI or HDMI (FHD),12G SDI or HDM 2.0	3G SDI or 12G SDI or HDMI
	3G SDI(Max resolution up to 1920×1080p@60fps) 12G SDI(Max resolution up to 4096×2160@60fps) HDMI (FHD)(Max resolution up to 1920×1080p@60fps)	3G SDI(Max resolution up to 1920×1080p@60fps), 12G SDI(Max resolution up to 4096×2160@60fps) HDMI (Max resolution up to 1920×1080p@60fps)
Audio	Mic-in x 1 , Line out x 1	Mic-in x 1 , Line out x 1
Series Ports	RS232 x 1	RS232 x 1
Function Port	Reset Button x 1 ,Recovery Button x 1, Grounding pin x 1	Reset Button x 1 ,Recovery Button x 1, Grounding pin x 1
DC in	12V DC Jack	12V DC Jack
Wireless Communication	802.11a/b/g/n/ac/ax.w/BT.5.2 (Optional)	802.11a/b/g/n/ac/ax.w/BT.5.2 (Optional)
Expansion I/O	PCIe [x8] x 1(Optional)	PCIe [x8] x 1(Optional)

MECHANICAL AND ENVIRONMENTAL

Power	Medical adapter 12V 120W	Medical adapter 12V 120W
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	220 x 80 x 150mm	220 x 150 x 87.8 mm
Packing Size	TBC	295 x 230 x 208 mm
Gross Weight	TBC	3.4 kg
Net Weight	TBC	1.8kg
Certifications	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013/A12:2014 (V3.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN 55035:2017/A11:2020 (ITE) IEC 62368-1:2020+A11:2020 (ITE) FCC: Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/ A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)



ACCEL-JS810

NVIDIA Jetson Orin NX platform for Medical AI imaging application

ACCEL-JS800

NVIDIA Jetson Orin NX platform for Medical AI imaging application

MAIN SPECIFICATIONS

AI Engine	NVIDIA Jetson Orin Nano	NVIDIA Jetson Orin NX
CPU	6-core Arm® Cortex®-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3 (ACCEL-JS810-N1)	6-core Arm® Cortex®-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3 (ACCEL-JS800-N1)
	8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3(ACCEL-JS810-N2)	8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2+ 4MB L3(ACCEL-JS800-N2)
System Memory	8GB 128-bit LPDDR5 68 GB/s or 4GB 64-bit LPDDR534 GB/s	8GB or 16GB 128-bit LPDDR5 102.4 GB/s
Graphics	1024-core NVIDIA Ampere GPU with 32 Tensor Cores	1024-core NVIDIA Ampere GPU with 32 Tensor Cores
Storage	NVMe M.2 SSD	NVMe M.2 SSD
OS Support	Linux® with Jetpack OS	Linux® with Jetpack OS
Security	TPM 2.0	TPM 2.0
Speaker	2W x Speaer x 2	2W x Speaer x 2

I/O

USB	USB OTG Type C x 1 USB 3.0 Type A x 4	USB OTG Type C x 1 USB 3.0 Type A x 4
Ethernet	GigaLAN x 1	Gigabit LAN x 1
Video Out	HDMI 2.0 x 1	HDMI 2.0 x 1
Video Input	3G SDI and HDMI x 1 3G SDI(Max resolution up to 1920×1080p@60fps), HDMI(Max resolution up to 1920×1080p@60fps)	3G SDI and HDMI x 1 3G SDI(Max resolution up to 1920×1080p@60fps), HDMI(Max resolution up to 1920×1080p@60fps)
Audio	Mic-in x 1 , Line out x 1	Mic-in x 1 , Line out x 1
Series Ports	RS232 x 1	RS232 x 1
Function Port	Reset Button x 1 ,Recovery Button x 1, Grounding pin x 1	Reset Button x 1 ,Recovery Button x 1, Grounding pin x 1
DC in	12V DC Jack	12V DC Jack
Wireless Communication	802.11a/b/g/n/ac/ax.w/BT5.2 (Optional)	802.11a/b/g/n/ac/ax.w/BT5.2 (Optional)
Front I/O	Power Button with Power LED indicator x 1	Power Button with Power LED indicator x 1

MECHANICAL AND ENVIRONMENTAL

Power	Medical adapter 12V 65W
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	219 x 209 x 83.5mm
Packing Size	360mm x 350mm x 280mm
Gross Weight	4.33 kg
Net Weight	2.6 kg
Certifications	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013/A12:2014 (V3.1) FCC: Part 18 Class B, Part 15 Class B, UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)



ACCEL-JS500/JS500i

NVIDIA Jetson AGX Xavier or AGX Xavier Industrial platform

MAIN SPECIFICATIONS

AI Engine	NVIDIA Jetson AGX Xavier	NVIDIA Jetson AGX Xavier Industrial
CPU	8-Core ARM v8.2 64bit CPU, 8MB L2 + 4MB L3	
System Memory	32GB 256-bit LPDDR4 w/ECC	
Graphics	512 Core Volta GPU with Tensor Cores	
OS Support	Linux® with Jetpack OS	
Storage	64GB eMMC Onboard	
	Micro SD card Slot	
	M.2 M Key 2280 (Only for ACCEL-JS500- N1-A1-0010 and ACCELJS500- N1-A2-0010)	M.2 M Key 2280 (Only for ACCEL-JS500i- N1-A1-0010 and ACCELJS500i- N1-A2-0010)
Security	TPM 2.0	
Speaker	2W x Speaer x 2	

I/O

USB	USB Type C x 2 for USB 3.1, USB Type A x 1 for USB 3.0, USB Type A x 1 for USB 2.0
Ethernet	Gigabit LAN x 1
Video Out	HDMI 2.0 x 1 , Display Port 1.4 x 1
Video input (Optional)	3G SDI x 1 or 12G SDI x 1 or HDMI 2.0 x 1 3G SDI(Max resolution up to 1920×1080p@60fps) 12G SDI (Max resolution up to 4096×2160@60fps)
Audio	Mic-in x 1 , Line out x 1
COM	RS232 x 1
Function Port	Reset Button x 1 , Recovery Button x 1
DC-in	12V DC Jack
Wireless Communication	802.11a/b/g/n/ac.w/BT5.0 (Optional)
LED Indicator	Power LED x 1

MECHANICAL AND ENVIRONMENTAL

Power	Medical adapter 12V 84W
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	184(W) x 145(L) x 66mm(H)
Packing Size	295(W) x 230(L) x 208(H) mm
Gross Weight	3.1 kg
Net Weight	1.675 kg
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN 55035:2017/A11:2020 (ITE) IEC 62368-1:2020+A11:2020 (ITE) FCC: Part 15B/ Part 18

* Note: All specifications are subject to change without notice.



ACCEL-JS221

22" FHD NVIDIA Jetson AGX Orin Medical All in One PC for AI Inference

MAIN SPECIFICATIONS

CPU	NVIDIA Jetson AGX Orin12-core Arm® Cortex®-A78AE v8.2 64-bitCPU3MB L2 + 6MB L3 /8-core Arm® Cortex®-A78AE v8.2 64-bitCPU 2MB L2 + 4MB L3
System Memory	32GB or 64GB 256-Bit LPDDR5
Graphics	NVIDIA Ampere architecture / 2048 NVIDIA CUDA® cores and 64 Tensor Cores / 1792 NVIDIA CUDA® cores and 56 Tensor Cores
OS Support	Linux® with Jetpack OS
Storage	64GB eMMC and M.2 NVMe SSD x 1
Security	TPM2.0 Chip (Infineon SLB9670XQ2.0)
Speaker	2W x 2
Front Screen	Power On/Off, LCD, Brightness Up/Down, Touch Screen On/Off

DISPLAY

Size	22" LCD
Resolution	1920 x 1080
Luminance	250 nits
Contrast Ratio	1000:1
Back Light Life Time	50,000 Hours
Touch Screen	Capacitive Multi-Touch

I/O

USB	USB 3.2 Type A x 2 , USB 3.2 Type C x 1
Ethernet	GigaLAN x 1, 10G LAN x 1
Video Out	HDMI 2.0 x 1 and Display Port 1.4 (without front screen)
Video input (Optional)	3G SDI(Max resolution up to 1920×1080p@60fps)
	12G SDI(Max resolution up to 4096×2160@60fps)
	HDMI (FHD)(Max resolution up to 1920×1080p@60fps)
	HDMI 2.0 (Max resolution up to 4096×2160@60fps)
Audio	Mic-in x 1 , Line out x 1
Serial Port	RS232 x 2
Function Port	Grounding pin x 1
Wireless Communication	802.11a/b/g/n/ac/ax.w/BT5.2 (Optional)
Expansion I/O	PCIe Gen 4 [x8] x 1

MECHANICAL AND ENVIRONMENTAL

Power Requirement	100~240V AC
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	532mm x 345mm x 65 mm
Packing Size	711mm x 503mm x 195 mm
Gross Weight	12kg
Net Weight	8kg



MEDICAL CART COMPUTER

The ONYX Venus series has developed a dual hot-swap batteries feature to enable the nurse to easily replace(change) a battery while the system is operating without having to turn the power off. Dual battery design are able to achieve very long running time.

Lightweight design with Magnesium alloy rear cover provides high strength and great heat dissipation. The front bezel is completely sealed and has a rating of IP65 waterproof with edge-to-edge glass. And it also has an IPX1 rating with back cover that provide the great protection.

Key Features:

- Highest level of medical safety protection, EMC4.1 / Safety3.2
- Built-in dual battery to provide Max 260Wh power for standing 18 hours operating.
- Support running as 24/7 by swapping batteries.
- With magnesium alloy rear cover provides high strength , light weight ,and great heat dissipation.
- ORION, Hospital IT Management software Package
- Hi-speed recharge, flexible mounting type as cart mount, wall mount, table stand



Dual hot-swap batteries



EMC 4.1 / Safety 3.2



24/7 fully running



ORION



Venus-244
24" Medical Cart Computer



Venus-224
22" Medical Cart Computer

SYSTEM

Processor	Intel® 11th generation Core i7 1165G7 / i5 1135G7 Intel® Pentium Gold 7505
System Memory	DDR4 up to 64GB
OS support	Microsoft® Windows 11 Microsoft® Windows 10 (64bit) Ubuntu 20.04 LTS IGEL (thin client solution)
Security	Onyx Smart Screensaver Smart Card Reader (optional) Imprivata RFID reader (optional) Barcode reader (optional)
Wireless Communication	802.11 ac/a/b/g/n + BT 4.1 (optional) WiFi6 + BT 5.2 (optional)

DISPLAY

Size	23.8"	21.5"
Resolution	FHD 1920 x 1080	FHD 1920 x 1080
Brightness	250 nits	250 nits
Touch Screen	PCT	PCT

I/O

USB	Rear I/O: USB 3.0 x 2, USB 2.0 x 2 Front I/O : USB 3.0 x2	Rear I/O: USB 3.0 x 2, USB 2.0 x 2 Front I/O : USB 3.0 x2
Video Out	HDMI out x1	HDMI out x1
COM	isolated COM x2 (optional)	isolated COM x2 (optional)
Audio	Combo Audio port x 1	Combo Audio port x 1
Ethernet	Gigabit LAN x 2	Gigabit LAN x 2
DC-in	19V DC-in x 1	19V DC-in x 1

MECHANICAL AND ENVIRONMENTAL

Dimension	560(L) x 78.4(W) x 373(H) mm	510(L) x 78.4(W) x 346(H) mm
Net Weight	7kg	6kg
Packing Size	730(L) x 240(W) x 550(H) mm	730(L) x 240(W) x 550(H) mm
Gross Weight	11kg (24.3lbs)	10kg (26.5lbs)
Certifications	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/ A1:2013(V3.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/ A1:2013(V3.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)

SELF-POWER CART COMPUTER ACCESSORY SELECTION



OPM-P02C
2-slot battery charger



OPM-P01C
6-slot battery charger

MAIN SPECIFICATION

Charge Time	354P / 12 Cell Li-ion battery	353P / 9 Cell Li-ion battery
Input Power	10.8V	10.95V
IO interface	12060mAh / 130.2Wh	8550mAh / 93.62Wh
Certification	2 year	1 year

MECHANICAL AND ENVIRONMENTAL

Color	ABS + PC	ABS + PC
Dimension	White	White
Net Weight	137(L) x 79(W) x 46 (H) mm	122(L) x 79(W) x 50 (H) mm
Packing Size	690g (1.52 lbs)	504g (1.11 lbs)
Gross Weight	234(L) x 180(W) x 76(H) mm	220(L) x 180(W) x 80(H) mm
Operating Temp	1.7kg (3.75 lbs)	1.3kg (2.87 lbs)
Storage Temp	0°C ~ 40°C(32°F ~ 104°F)	0°C ~ 40°C(32°F ~ 104°F)



OPM-P03T
2 XXL Battery Kit. Li-ion.
10.8V. 12060mAh



OPM-P02T
2 XL Battery Kit. Li-ion.
10.9V. 8400mAh

MAIN SPECIFICATION

Battery Type	3S4P / 12 Cell Li-ion battery	3S3P / 9 Cell Li-ion battery
Battery Voltage	10.8V	10.9V
Battery Capacity	12060mAh / 130.2Wh	8400mAh / 91.56Wh
Warranty	2 year	1 year
Charging time	5 hrs with UPower Pro-series	4 hrs with UPower Pro-series
Safety	Supports protection from over-voltage (input and output), over-current (input and output), short circuit, over-charge, over-discharge, and battery Positive Temperature Coefficient(PTC)	Supports protection from over-voltage (input and output), over-current (input and output), short circuit, over-charge, over-discharge, and battery Positive Temperature Coefficient(PTC)
Compatible	Venus all series, UPower all series	Venus all series, UPower all series
Certification	UL-2054, IEC-62133-1	UL-2054, IEC-62133-1

MECHANICAL AND ENVIRONMENTAL

Architecture	ABS + PC	ABS + PC
Color	White	White
Dimension	137(L) x 79(W) x 46 (H) mm	122(L) x 79(W) x 50 (H) mm
Net Weight	690g (1.52 lbs)	504g (1.11 lbs)
Packing Size	234(L) x 180(W) x 76(H) mm	220(L) x 180(W) x 80(H) mm
Gross Weight	1.7kg (3.75 lbs)	1.3kg (2.87 lbs)
Operating Temp	0°C ~ 40°C(32°F ~ 104°F)	0°C ~ 40°C(32°F ~ 104°F)
Storage Temp	-20°C ~ 60°C(-4°F ~ 140°F)	-20°C ~ 60°C(-4°F ~ 140°F)

BATTERY LED INDICATOR

One LED Flashing	0%~5% capacity	0%~5% capacity
One LED Lighting	5%~20% capacity	5%~20% capacity
Two LED Lighting	20%~40% capacity	20%~40% capacity
Three LED Lighting	40%~60% capacity	40%~60% capacity
Four LED Lighting	60%~80% capacity	60%~80% capacity
Five LED Lighting	80%~100% capacity	80%~100% capacity

*Please see the user guide for more details.

If you need more details, please contact to sales@onyx-healthcare.com



MEDICAL POWER PANEL PC

The ONYX Venus series has developed a dual hot-swap batteries feature to enable the nurse to easily replace(change) a battery while the system is operating without having to turn the power off. Dual battery design are able to achieve very long running time.

Onyx has developed an medical power panel PC that provides 24/7 non-stop service and offers true mobility. miniVenus features dual swappable batteries system and universal mounting slots.

The battery system allow users to replace one of the batteries without turning the computer off .

Also, the dual batteries design supply a very long running time and short charging time.

Lightweight design provides high strength and great heat dissipation, and it has mounting slots that will fit any medical cart.

Key Features:

- Core Ultra AI CPU for edge AI application
- Dual swappable batteries provide continuous power for 24/7 non-stop operation
- Highest level of medical safety protection, EMC4.1 / Safety3.2
- Fanless design, low risk of cross-infection
- ORION, Hospital IT Management Software Package
- Standard VESA 75/100 mount fits all medical carts



Intel® Core™ Platform
for Better Performance



Swappable Battery
design



Quiet, Clean &
Easy to Maintain



TPM



Long-term product
life support



Venus-154 Plus
15" Medical Power Panel PC



Venus-124 Plus
12" Medical Power Panel PC

SYSTEM

Processor	Intel® Meteor Lake Core Ultra 125U
System Memory	DDR5 up to 32GB
OS support	Microsoft® Windows 11 Microsoft® Windows 10 (64bit) Ubuntu 24.04 LTS IGEL (thin client solution)
Security	TPM 2.0 (Trusted Platform Module), RFID ISO 15693/14443A (optional)
Wireless Communication	802.11 ac/a/b/g/n + BT (optional)

DISPLAY

Size	15.6"	11.6"
Resolution	1920 x 1080	1366 x 768
Brightness	220 nits	250 nits
Touch Screen	PCT+AG(optional)	

IO

USB	USB 3.0 x2 , USB 2.0 x1	USB 3.0 x2 , USB 2.0 x1
Video Out	DP x1	DP x1
COM	isolated COM x1 (optional)	isolated COM x1 (optional)
Ethernet	Gigabit LAN x 2	Gigabit LAN x 2
DC-in	12V DC-in x1	12V DC-in x1

MECHANICAL AND ENVIRONMENTAL

Dimension	392(L) x 43(W) x 265(H) mm	300(L) x 42(W) x 205(H) mm
Packing Size	520(L) x 190(W) x 400(H) mm	420(L) x 185(W) x 345(H) mm
Gross Weight	5.6kg	2.6kg
Net Weight	4.5kg	1.9kg
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC :JAPAN TELEC	



Venus-173
17" Medical Power Panel PC



Venus-153
15" Medical Power Panel PC

SYSTEM

Processor	Intel® Skylake Dual-Core i5	Intel® Skylake Dual-Core i5 /Celeron 3955U
System Memory	DDR4 up to 16GB	DDR4 up to 16GB
OS support	Microsoft® Windows 7 , Microsoft® Windows 8.1 ,Microsoft® Windows 10 , Ubuntu 18.04 LTS , IGEL (thin client solution)	
Security	TPM 2.0 (Trusted Platform Module), RFID ISO 15693/14443A (optional)	TPM 2.0 (Trusted Platform Module), RFID ISO 15693/14443A (optional)
Wireless Communication	802.11 ac/a/b/g/n + BT (optional)	

DISPLAY

Size	17"	15.6"
Resolution	1280 x 1024	1920 x 1080
Brightness	250 nits	220 nits
Touch Screen	Resistive Touch	Project Capacitive Touch /Resistive Touch

IO

USB	USB 3.0 x2 , USB 2.0 x2	USB 3.0 x2 , USB 2.0 x2
Video Out	HDMI 1.4 x1	HDMI x1
COM	COM port x 1	COM port x 1
Ethernet	Gigabit LAN x 2	Gigabit LAN x 2
DC-in	12V DC-in x1	12V DC-in x1

MECHANICAL AND ENVIRONMENTAL

Dimension	384(L) x 57(W) x 345(H) mm	300(L) x 42(W) x 205(H) mm
Packing Size	510(L) x 200(W) x 480(H) mm	420(L) x 185(W) x 345(H) mm
Gross Weight	5.6kg	4.7kg
Net Weight	4.5kg	2.7kg
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC :JAPAN TELEC	



Venus-123

12" Medical Power Panel PC

MOBILE COMPUTER ACCESSORY SELECTION

SYSTEM

Processor	Intel® Skylake Dual-Core i5 / Celeron 3955U
System Memory	DDR4 up to 16GB
OS support	Microsoft® Windows 7 , Microsoft® Windows 8.1 , Microsoft® Windows 10 , Ubuntu 18.04 LTS , IGEL (thin client solution)
Security	TPM 2.0 (Trusted Platform Module), RFID ISO 15693/14443A (optional)
Wireless Communication	802.11 ac/a/b/g/n + BT (optional)

DISPLAY

Size	11.6"
Resolution	1366 x 768
Brightness	250 nits
Touch Screen	Project Capacitive Touch / Resistive Touch

IO

USB	USB 3.0 x2 , USB 2.0 x2
Video Out	HDMI out x 1
COM	COM port x 1
Ethernet	Gigabit LAN x 2
DC-in	12V DC-in x1

MECHANICAL AND ENVIRONMENTAL

Dimension	300(L) x 43(W) x 205(H) mm
Packing Size	420(L) x 185(W) x 345(H) mm
Gross Weight	2.6kg
Net Weight	1.9kg
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/ A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC ;JAPAN TELEC



OPM-P05T
Battery Packs (2x)

BATTERY PACK

Battery Type	6 Cell Lithium Battery
Battery Capacity	4545 mAh / 33.6 Wh
Battery Output Voltage	7.4V
Battery Charge Time	3 hrs for 85%, 3.5hrs for 100%
Battery Run Time	3hrs *For more details, please see the user guide

ORDER INFORMATION

- OPM-P05T-A4
Battery Kits (2x) 2S3P/7.2V for Venus-123/153/173



UP-M62
Venus-123/153/173
6-slots Charger

ORDER INFORMATION

- UP-M62-A1-1010
6-slots Charger for Venus-123/153/173



MEDICAL POWER BANK

The genius of the UPower system is in its unique, groundbreaking design. Upower gives you the capability of providing endless power with an innovative dual hot swappable battery architecture that ensures your device remains powered even while you are replacing a battery.

Key Features:

- External DC output (2/4 slot only)
- Selected voltage (12V / 19V / 24V) (2 slot : 12 /19 /24V ; 4 slot 12/15/19/24V)
- Non-stop, hot swappable batteries architecture
- Software (ORION) remote monitor
- Capable of charging 2/4 batteries simultaneously.
- 2/4 Independent LED indicators, clearly reveal recharge status
- High-speed recharge and over charge protection



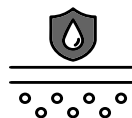
Infinite Power



Swappable Battery



User Selected Voltage



IPX1 Compliant



ORION Management



UPower Pro-43
4-Slot Hot Swappable Battery
Medical Power Bank



UPower Pro-22
2-Slot Swappable Battery

MAIN SPECIFICATION

DC Output Power	12/15/19/24V 90W +65W +25W *Check user manual for more detail info	12/19/24V 90W *Check user manual for more detail info
Battery Charge Time	3.5 hrs for 85%, 4 hrs for 100% for XL battery	3.5 hrs for 85%, 4 hrs for 100% for XL battery
Input Power	24V/250W adapter	24V/150W adapter
Certification	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/ A1:2013(V3.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/ A1:2013(V3.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)

MECHANICAL AND ENVIRONMENTAL

Architecture	ABS + PC	ABS + PC
Color	White	White
Dimension	265(L) x 169(W) x 210(H) mm	191(L) x 64(W) x 117(H) mm
Net Weight	2kg (4.41 lbs)	0.67kg (1.47 lbs)
Packing Size	365(L) x 280(W) x 395(H) mm	390(L) x 290(W) x 110(H) mm
Gross Weight	3kg (6.61 lbs)	2kg (4.41 lbs)
Operating Temperature	0°C ~ 30°C(32°F ~ 86°F)	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95%@35°C, non-condensing	10%~95%@35°C, non-condensing

BATTERY LED INDICATOR

Blue Lighting	Full Charge (AC mode)	Full Charge (AC mode)
Blue Flashing	Charging (AC mode)	Charging (AC mode)
Green Lighting	Capacity 40%~100% (Battery Mode)	Capacity 40%~100% (Battery Mode)
Orange Lighting	Capacity 21%~39% (Battery Mode)	Capacity 21%~39% (Battery Mode)
Purple Lighting	Capacity 0%~20% (Battery Mode)	Capacity 0%~20% (Battery Mode)
Green-Purple Flashing	Charging error	Charging error

POWER SUPPLY SPECIFICATION

Input Voltage	100-240V AC @50-60 Hz	100-240V AC @50-60 Hz
Output Power	24V / 10.42A, 250W max	24V / 6.25A, 150W max

BATTERY PACK (OPTIONAL)

Battery Type	9/12 Cell Lithium-ion battery	6 /9/12 Cell Lithium-ion battery
Battery Capacity	8400 / 12060 mAh	5700 / 8400 / 12060 mAh
Output Voltage	10.9V / 10.8V	10.8V / 10.9V / 10.8V



OPM-P03T
2 XXL Battery Kit. Li-ion.
10.8V. 12060mAh



OPM-P02T
2 XL Battery Kit. Li-ion.
10.9V. 8400mAh

MAIN SPECIFICATION

Battery Type	3S4P / 12 Cell Li-ion battery	3S4P / 9 Cell Li-ion battery
Battery Voltage	10.8V	10.9V
Battery Capacity	12060mAh	8400mAh
Warranty	2 year	1 year
Charging time	5 hrs with UPower Pro-series	4 hrs with UPower Pro-series
Safety	Supports protection from over-voltage (input and output), over-current (input and output), short circuit, over-charge, over-discharge, and battery Positive Temperature Coefficient(PTC)	Supports protection from over-voltage (input and output), over-current (input and output), short circuit, over-charge, over-discharge, and battery Positive Temperature Coefficient(PTC)
Compatible	Venus all series, UPower all series	Venus all series, UPower all series
Certification	UL, CE, IEC-62133-1	UL, CE, IEC-60950-1, IEC-62133-1

MECHANICAL AND ENVIRONMENTAL

Architecture	ABS + PC	ABS + PC
Color	White	White
Dimension	137(L) x 79(W) x 48 (H) mm	122(L) x 79(W) x 50 (H) mm
Net Weight	690kg (1.52 lbs)	510kg (1.12 lbs)
Packing Size	234(L) x 180(W) x 76(H) mm	220(L) x 180(W) x 80(H) mm
Gross Weight	1.7kg (3.75 lbs)	1.3kg (2.87 lbs)
Operating Temp	0°C ~ 40°C(32°F ~ 104°F)	0°C ~ 40°C(32°F ~ 104°F)
Storage Temp	-20°C ~ 60°C(-4°F ~ 140°F)	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95%@35°C, non-condensing	10%~95%@35°C, non-condensing

BATTERY LED INDICATOR

One LED Flashing	0%~5% capacity	0%~5% capacity
One LED Lighting	5%~20% capacity	5%~20% capacity
Two LED Lighting	20%~40% capacity	20%~40% capacity
Three LED Lighting	40%~60% capacity	40%~60% capacity
Four LED Lighting	60%~80% capacity	60%~80% capacity
Five LED Lighting	80%~100% capacity	80%~100% capacity

*Please see the user guide for more details.



ORION-BATTERY MANAGEMENT SYSTEM

ORION is a complete software solution that controls every part of your Onyx device infrastructure from the server, to the software manager and client devices. This system works the same way as the email servers we use every day to communicate. Each ORION system has a single server that connects to nursing carts (clients) that push their information to the server (similar to sending an email).

Key Features:

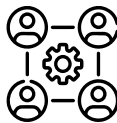
- Everything Remotely
- Break Up the Whole Into Parts
- To Improve the Quality



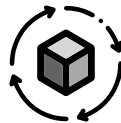
Battery Diagnostics



Real-time Remote Monitoring



Group Settings



Remote Update / Installation



User-friendly Interface



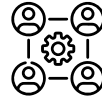
BATTERY DIAGNOSTICS

With potentially thousands of batteries in use in a single hospital, ORION can monitor them all with diagnostic tools that alert users of any battery-related errors.



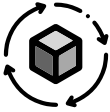
REAL-TIME REMOTE MONITORING

Real-time remote monitoring provides quick data feedback to help IT managers diagnose and fix system problems.



GROUP SETTINGS

Device settings can be managed and saved by groups so that each department in a facility can have custom-managed devices.



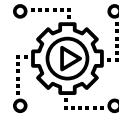
REMOTE UPDATE / INSTALLATION

System software / firmware installation and updates can also be performed remotely saving valuable time and resources.



USER-FRIENDLY INTERFACE

ORION's user-friendly graphical interface conveniently organizes important data in a way that lets you quickly and easily review systemwide performance.



AUTOMATED TASK SCHEDULING

With automated task scheduling, ORION takes care of less important repetitive tasks so you can focus on more important priorities.



CUSTOMIZABLE DASHBOARD

All IT managers have their own preferences for how to perform their duties. ORION's customizable dashboard gives IT managers the freedom to set operational parameters to their own liking to maximize efficiency.

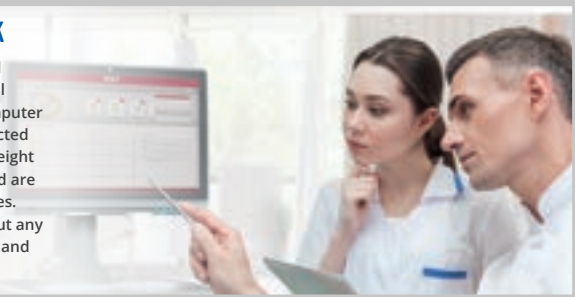


E-MAIL REPORTING

ORION includes an integrated e-mail client for regularly scheduled event reporting.

SUCCESSFUL STORY - NHS IN UK

The Trust went live with their EPR called e-Care on 30th April 2016. Parity Medical were the chosen supplier of mobile computer carts. The Parity Infinity carts were selected after trialling as they are light weight, height adjustable, ergonomic, easy to clean and are powered 24/7 by hot swappable batteries. It was a big project that went live without any hiccups. Phase 2 has now been enabled and will be phased in throughout the year.





ORION Remote
Hospital IT Management Software Package

◎ CORE FUNCTION

Battery Diagnostics	✓
Friendly UI	✓
Remote Backup/Recovery	✓
Remote Update/Installation	✓
E-Mail Reporting	✓
Automated Task Scheduling	✓
Group Settings	✓
Real-time Remote Monitoring	✓
Customizable Dashboard	✓

◎ ORDERING INFORMATION

ORION-A01-V2	ORION Air permission (per client)
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◎ HARDWARE REQUIREMENT

▶ **ORION Server**

CPU	1.6GHz or faster
RAM	1GB
Storage	20MB per client for one month record 10G for 500 clients for one month record
OS	Windows 7, Windows 8.1, Windows 10

▶ **ORION Manager**

CPU	1.6GHz or faster
RAM	1GB
Display	DirectX 9-capable video card running at 1024 x 768 or higher display resolution
OS	Windows 7, Windows 8.1, Windows 10
Other	.Net Framework 4.0 above



MOBILE MEDICAL TABLET

Onyx Mobile Medical Assistant tablets are especially designed to streamline data exchange for EMS and hospitals. With rugged features, high brightness LCD and high performance CPU, these tablets can be operated in harsh environments while delivering superb performance and a crystal clear image. Onyx Mobile Medical Assistant tablets help eliminate medical paperwork by automating EMS and hospital workflows allowing paramedics and nurses to instantly access and document patient records.

Key Features:

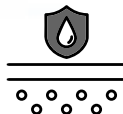
- Effortless data collection and documentation with significant error reduction
- Seamless integration of medical devices
- Medical & ambulance dual certifications
- Continuous power for 24/7 non-stop operation
- Rugged design for outdoor and indoor use
- Reduce hospital and ambulance service TOC



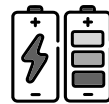
Light weight & compact size



OS support for Windows



IP54



Swappable Battery design



MD116E

12" Fanless Intel Pentium

MAIN SPECIFICATION

Processor	Intel® ELKhart Lake Pentium N6415 3.0 GHZ
System Memory	DDR4 SO-DIMM x1, 4 GB (Up to 16 GB)
OS Support	Microsoft® Windows 10, Windows 11 IOT / Linux ubuntu 20.04 LTS
Storage Disk Drive	M.2 Interface x1, SATA/NVMe 64 GB (up to 1TB)
Wireless Communication	802.11 a/b/g/n /ac/ax + BT5.2 (Optional)
Camera	2 MP (Front) / 8 MP (Rear) (optional)
LTE+GPS	Sierra EM7421 x2 (Optional) [5G Sierra EM 9291 Supported]
Security	Smart Card Reader x2 , RFID x1 (optional)
Touchscreen	Projected Capacitive Touchscreen,w/Gorilla Glass 3

DISPLAY

Size/ Type	11.6" 16:9 Wide Screen LED Panel
Resolution	FHD 1920 x 1080
Max. Colors	16.7M
Contrast Ratio	800:1
Luminance (cd/m2)	300nits , 600nits

I/O

USB	USB 3.0 (Type-A) x1, USB 3.0 (Type-C with External Display) x1
Ethernet	Gigabit LAN x1
DC-In	DC-in Jack x1
Docking	Docking Connector x1

MECHANICAL AND ENVIRONMENT

Mounting	VESA 75 via docking station
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	312(W) x 239(H) x 37(D) mm
Packing Size	400 x 345 x160 mm
Gross Weight	3 kg (6.6 lb)
Net Weight	Approx. 1.45~1.8 kg (3.2 lb~3.97 lb)
Certifications	CE: EN 60601-1-2:2020 (EMC4.1), EN 60601-1:2020 (Safety 3.2) EN 300 328 (V2.1.1), EN 301 893 (V2.1.1) FCC: Part 18 Class B, Part 15 C/E UL: ANSI/AAMI ES60601-1:2021 (V3.2) CUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.2)



MD102N

10.1" Rugged Medical Tablet



MPAD-800 AI

8" Medical Tablet

MAIN SPECIFICATION

Processor	Intel® Alder Lake N200 1.80 GHz
System Memory	8GB
OS Support	Windows® 10 IOT LTSB / Win 11 IOT/ Linux®, Ubuntu
Storage Disk Drive	NVMe 256GB
Speakers	2W x2 SPL
Wireless Communication	802.11 a/b/g/n/ac/ax + BT 5.2

DISPLAY

Size/ Type	10.1" 16:10 Wide Screen LED Panel
Resolution	1920x 1200
Contrast Ratio	800:1
Luminance	380 nits
TouchScreen	Projected Capacitive Touchscreen ,w/ Gorilla Glass 3

I/O

USB	USB 3.0 (Type-A) x 1 USB 3.0 (Type-C) x 1 (Host + Display)
Video Out	Via USB 3.0 Type-C
Audio	3.5 mm Combo Audio Jack x1
DC-In	x1

MECHANICAL AND ENVIRONMENT

Power Requirement	DC 15 V, (60W)
VESA	VESA 75 via Rear cover Bracket (With/Without)2 Design
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	TBD
Packing Size	TBD
Gross Weight	TBD
Net Weight	Approx. 1.2 kg
Certifications	CE: EN 60601-1-2:2020(V4.1), EN 60601- 1:2006/A1:2020(V3.2) EN 60601- 1:2006/ A1:2020(V3.2) FCC: Part 18 Class B, Part 15 C/E UL: ANSI/AAMI ES60601-1:2021 (V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.2)

MAIN SPECIFICATION

Processor	IARM® Cortex™-Octa-core up to 1.8 GHz
System Memory	2GB SDRAM
Storage	16GB eMMC
Operating system	Android 10

DISPLAY

Size	8-inch
Resolution	1280 x 800
Touch	Multi-touch projected capacitive

WIRELESS COMMUNICATION

WLAN	802.11 a/c
Bluetooth	Bluetooth 4.0

INTERFACE

Docking Connector	1x Type-A USB ,1x Type-C USB
USB	Micro USB x1
Power input	Power Jack x1
Micro SD	Micro SD Card Slot x1
SIM Card Slot	SIM Card Slot x2

INTERFACE

Button	Volume +/- x1 , Power Button x1
LED Indicators	LED indicator(Power, Battery)

MECHANICAL AND ENVIRONMENT

Dimension	136.6 x 219 x 21 mm
Packing Size	280 x 250 x 80 mm
Gross Weight	1.8kg (3.96 lb)
Net Weight	0.67 Kg (1.48lb)
Certifications	CE/FCC Class B , Japan TELEC , UL/EN60601-1

POWER MANAGEMENT

Battery Operating Time	8Hrs
Adapter	12V / 3A Adapter

* Note: All specifications are subject to change without notice.

MOBILE MEDICAL ASSISTANT ACCESSORY SELECTION-

MDI16 SERIES ACCESSORY



Vehicle Dock
OPM-T016-A3



VESA Cradle
OPM-T021-A1



Office Dock
OPM-T022-A1



Battery Charger
UP-M62-A1-1010

OPTIONAL ACCESSORIES

Part Number	OPM-T016-A3	OPM-T021-A1	OPM-T022-A1	UP-M62-A1-1010
Description	Vehicle Dock	VESA Cradle	Office Dock	Battery Charger
Input Power	12V	N/A	12V	24V
Installations	VESA 75	VESA 75	Stationary	Stationary

I/O

IO	2x USB 2.0 Type-A 1x RJ45 1x Line Out 1x Phoenix Port 1x DC In Jack	N/A	2x USB 2.0 Type-A 1x RJ45 1x RS-232 1x DC-In 1x HDMI (optional) 1x DP (optional)	1x Micro USB (Client) 1x DC-In
LED Indicator	N/A	N/A	Steady Green: Connection LED Off: Disconnection	Flickering Blue: Battery Charging Steady Blue: Battery Fully Charged Flickering Purple Green: Error

MECHANICAL AND ENVIRONMENT

Dimensions	236.89 x 293.03 x 88.22 mm	206.69 x 196.64 x 87.8mm	354 x 117 x 78.2mm	245.95 x 124.64 x 143.65mm
Weight	800g	395g	1060g	860g
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 35°C (32°F ~ 95°F)	0°C ~ 35°C (32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)



MEDICAL PC FOR DIGITAL OR

In a digital operating room, important information and images such as patient vital signs, surgical images, and xray images need to be displayed all at once. With the latest technology, ACCEL series offers Intel Xeon / Core i7 core processor, capacitive multi-touch screen and multiple video inputs to improve display quality and work efficiency.

Key Features:

- Intel® Xeon / Core i7 Platform
- Triple PCI Express Slot for High End Graphics, Fiber LAN and UHD Video Capture
- Enhance functional for Medical Imaging
- IP Certified, Antimicrobial Surface Coatin and Fanless



Intel® Quad Core
Xeon Platform



PCI Express [x16] Slot
for High End Graphics



Enhance functional
for Medical Imaging



IP54 Certified,
Antimicrobial Surface
Coatin and Fanless

* Note: All specifications are subject to change without notice.



ACCEL-VM500R

Medical Video Management System with 9th Generation Intel Xeon / Core i7 CPU



ACCEL-VM200

AV over IP Master Controller

MAIN SPECIFICATIONS

Processor	Intel® 9th generation Core I/Xeon Processor
System Memory	Supports ECC/Non-ECC DDR4 2133 DIMM x 4 up to 64GB
Chipset	Intel® C246A
OS Support	Windows® 10, Windows® 11, Linux (optional)
Storage Disk Drive	2.5" SATA SSD x 2, M.2 2280 M Key SSD x 1 (NVMe or SATA SSD)
TPM	2.0
Speaker (Optional)	Built in Speaker
CD DVD(Optional)	SATA DVD+/-RW White Color

I/O

USB	Rear USB 3.1 Gen 1 x4 Front USB 2.0 or USB 3.0 (optional) Rear USB 3.1 Gen 2 x 6 (optional)
Ethernet	Gigabit LAN x 2
Audio	Line-in x 1, Mic-in x 1 and Line-out x 1
Series Ports	RS232 x 2
Extension area	M.2 E Key 2230 x 1 for Wireless module PCIe 3.0[x16] x1, PCIe 3.0 [x4] x2, PCIe 3.0 [x1] x 1
Optional Capture I/O	4Kp60: HDMI 2.0 in FHD: HDMI x1, DVI-I x 1, YPbPr x1, SDI x1, CVBS x 1, S-Video x 1

MECHANICAL AND ENVIRONMENTAL

Power Consumption	100V to 240V AC Input, 500W
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	330 x 357.4 x 168 mm
Packing Size	500 x 490 x 300 mm
Gross Weight	8.6 kg
Net Weight	8 kg
Certifications	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013/ A12:2014 (V3.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)

INTERFACES

Output Port	1 x HDMI
Control I/O	1 x IR Extender (3.5mm) 1 x RS-232 (3-pin Terminal Block) 8 x Trigger (10-pin Terminal Block) 1 x USB (Type-A) 2 x LAN (RJ-45)
Reserved Port	1 x RS-232 (5-pin Terminal Block)

VIDEO

Maximum Output	HDMI
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RESOLUTIONS

Maximum Output	1920 x 1080p@60
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POWER

Power Supply	5V/2.6A DC (Locking)
Power Consumption	2.99W

ENCLOSURE

Chassis Material	Metal (Steel)
Chassis Color	White
Dimensions (W×H×D)	231.5 × 25 × 108 mm (Case Only) 231.5 × 25 × 117 mm (All Inclusive)
Weight	250g
Packing Size	280 x 180 x 71 mm
Certification	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013/ A12:2014 (V3.1) FCC: Part 18 Class A



ACCEL-VM100

HDMI/DP over IP Transceiver with USB Extension for Digital OR



ACCEL-VS100

HDMI/VGA Live Video Streamer with Recording

INTERFACES

Input Port	1 x HDMI (Type-A) 1 x DisplayPort	1 x HDMI (Type-A) 1 x VGA (HD-15) 1 x Unbalanced Stereo (3.5mm)
Output Port	1 x HDMI (Type-A)	1 x HDMI (Type-A)
Bi-directional Port	1 x 10GbE LAN (SFP+)	N/A
Pass-through Port	1x Unbalanced Stereo (3.5mm) 1 x IR Extender (3.5mm) 1 x IR Blaster (3.5mm) 1 x RS-232 (3-pin Terminal Block) 1 x Ethernet (RJ-45) 3 x USB (Type-A)	1 x LAN (RJ-45) 1 x RS-232 (DE-9) 1 x MicroSD slot
Service Port	1 x USB (Mini-B)	1 x USB (Type-A)

VIDEO

HDMI Compliance	HDMI 2.0 (DVI 1.0)	2.0
HDCP Compliance	2.2	2.2
Input Signal Types	HDMI 2.0 / 4K@60, HDR10 / DisplayPort 1.4 HBR2	4K@60 8bit YUV 4:4:4
Output Signal Type	N/A	4K@60 8bit YUV 4:4:4

RESOLUTIONS

Maximum Input	HDMI - 4096×2160p@60, 2560×1600p@60RB	HDMI - 4096×2160p@60, 2560×1600p@60RB
	HDMI - 4096×2160p@60, 2560×1600p@60RB	
	HDMI - 4096×2160p@60, 2560×1600p@60RB	HDMI - 4096×2160p@60, 2560×1600p@60RB
Maximum Output	HDMI - 4096×2160p@60, 2560×1600p@60RB	HDMI - 4096×2160p@60, 2560×1600p@60RB
	Streaming - 4096×2160p@60, 2560×1600p@60RB	H.264 Stream - 1080p@60

AUDIO

Digital Formats	HDMI - 8CH LPCM, Bitstream, HD Bitstream DisplayPort- 8CH LPCM, Bitstream, HD Bitstream	HDMI, Unbalanced Stereo, 2CH LPCM
Analog Formats	Unbalanced 2 Channel	N/A
Line Level	Frequency Response: < ±0.5dB (20Hz to 20kHz) THD: < 0.02% (20Hz to 20kHz) S/N Ratio: > 80dB (1kHz with 0dBFS) Crosstalk: < -80dB (10kHz, Vin=0dBFS)	N/A

POWER

Power Supply	12V/3A (Locking)	5V/2.6A
Power Consumption	25W (Full load)	9.57W (Full load)

ENCLOSURE

Chassis Material	Metal (Steel)	Metal (Steel)
Chassis Color	White	White
Certification	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013/A12:2014 (V3.1) FCC: Part 18 Class A	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013/A12:2014 (V3.1) FCC: Part 18 Class A

* Note: All specifications are subject to change without notice.



SLIM MEDICAL ALL IN ONE PC

The Slim Medical Panel PC is designed to meet the requirements of the best Return on Investment for medical users. With an ultra slim chassis and Intel® fanless low power processor, the slim series gives users a real green solution. Green in money, Green in energy saving, Green in space. The Slim size extends the flexibility in various hospital applications such as mobile nursing station, wall-mount diagnosis panel, pharmacy automation bedside infotainment and hospital administration automation.

Key Features:

- Green Operation
- Flexible Power Input & Backup Battery
- High Speed Wireless Data Transmission
- Processing in Compact Size
- Scalable LCD Choices
- Quiet, Clean & Easy Maintenance

FHD/WXGA



Scalable LCD Choices



Quiet, Clean & Easy Maintenance



Green & Compact Size for Operation



Dual Antennas with Best WLAN performance



SMA-1833

18.5" Fanless Slim Medical All in One PC

SMA-1733

17" Fanless Slim Medical All in One PC

MAIN SPECIFICATIONS

Processor	Intel® Atom x6425E Quad Core Processor, Intel® Atom x6211E Dual Core Processor, Intel® Celeron N6210 Dual Core Processor	
System Memory	Supports DDR4 SODIMM up to 32GB (optional In-Band ECC support)	
Expansion Interface	M.2 2230(E-key) x 1, Proprietary PCIe[x1] x1(Optional)	M.2 2230(E-key) x 1, Proprietary PCIe[x1] x 1
Storage Disk Drive	M.2 2242 (B-key) SATA SSD x 1 2.5" SATA SSD x 1(Optional)	M.2 2242(B-key) SATA SSD x 1
OS Support	Windows® 10, Windows® 11, Linux® (Optional)	
Security	TPM2.0,RFID Reader(optional)	TPM2.0,RFID Reader(optional)
Wireless Communication	802.11 a/b/g/n/ac/ax + BlueTooth 5.3 (Optional)	
Speaker	3W x 2	
Power Requirement	DC 12V	

DISPLAY

Size	18.5"	17"
Type	AHVA/ ADS	TN
Max. Resolution	1920x 1080(FHD)/1366x 768(WXGA)	1280 x 1024 (XGA)
Luminance	350/250nits	350 nits
Viewing Angle	178°(H)/178°(V)	170°(H)/160°(V)
Contrast Ratio	1000:1	1000:1
Touch Screen	Capacitive Multi-Touch	5-Wire Resistive

I/O

USB	USB 3.2 Gen 1x1 x4	USB 3.2 Gen 1x1 x4
Serial Ports	RS-232 x 1	RS-232 x 1
Ethernet	Gigabit LAN x2 (Isolated x1 + non-isolated x1)	
Video Out	HDMI 2.0b x 1	HDMI 2.0b x 1

MECHANICAL AND ENVIRONMENTAL

Power Consumption	Full loading:66W	Full loading:57.3W
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)	
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)	
Mounting	VESA 75/100 mm	
Dimension	457 x 50 x 303mm	384 x 69 x 338 mm
Packing Size	600 x 222 x 436 mm	615 x 227 x 628 mm
Gross Weight	6.3kg (13.9lb)	9kg (19.84 lb)
Net Weight	4.4kg (9.7lb)	5.6kg(12.32lb)
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC : JAPAN TELEC	

* Note: All specifications are subject to change without notice.



SMA-1533

15.6" Fanless Slim Medical All in One PC



SMA-1233

11.6" Fanless Slim Medical All in One PC



SMA-1033

10.1" Fanless Slim Medical All in One PC

MAIN SPECIFICATIONS

Processor	Intel® Atom x6425E 3.0GHz Quad Core Processor, Intel® Atom x6211E 3.0GHz Dual Core Processor, Intel® Celeron N6210 2.6GHz Dual Core Processor		
System Memory	Supports DDR4 SODIMM up to 32GB (optional In-Band ECC support)		
Expansion Interface	M.2 2230(E-key) x 1, Proprietary PCIe[x1] x 1(optional)		
Storage Disk Drive	M.2 2242 (B-key)SATA SSD x1		
OS Support	Windows 10, Windows 11 , Linux		
Security	TPM2.0,RFID Reader(optional)		
Wireless Communication	802.11 a/b/g/n/ac/ax + BT 5.3 (optional)		
Speaker	3W x 2	2W x 2	
Power Requirement	DC 12V / Power over Ethernet(optional)/ Battery (optional)	DC 12V / Power over Ethernet(optional) / Battery (optional)	DC 12V

DISPLAY

Size	15.6"	11.6"	10.1"
Type	AHVA	AHVA/TN	AHVA
Max. Resolution	1920 x 1080(FHD)	1920 x 1080(FHD) / 1366 x 768(WXGA)	1280 x 800(WXGA)
Luminance (cd/m2) (TYP)	300nits	300 nits / 250nits	400nits
Viewing Angle	178°(H)/178°(V)	178°(H)/178°(V) / 90°(H)/60°(V) 45°(H)/45°(V) / 20°(H)/40°(V)	178°(H)/178°(V)
Contrast Ratio	1000:1	800:1 / 500:1	800:1
Touch Screen	Capacitive Multi-Touch		

I/O

USB	USB 3.2 Gen 1x1 x4	USB 3.2 Gen 1x1 x4	USB 3.2 Gen 1x1 x4
Serial Ports	RS-232 x 1		
Ethernet	Gigabit LAN x2 (isolated x1 + non-isolated x1)		
Video Out	HDMI 2.0b x 1		

MECHANICAL AND ENVIRONMENTAL

Power Consumption	Full loading : 48 Watts	Full loading : 43.5 Watts	Full loading : 28.5 Watts
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)	0°C ~ 40°C(32°F ~ 104°F)	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)	-20°C ~ 60°C(-4°F ~ 140°F)	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm		
Dimension	398 x 265 x 47 mm	300 x 205 x 47 mm	262 x 191 x 45 mm
Packing Size	520 x 190 x 400 mm	420 x 185 x 345 mm	400 x 175 x 323 mm
Gross Weight	4.3kg (9.5lb)	4 kg (8.8lb)	3.7kg (8.82lb)
Net Weight	1.8kg (4.0lb)	1.5kg(3.3lb)	1.2kg (3.3lb)
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1),EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020,EN 55035:2017/A1:2020 (ITE),IEC 62368-1:2020+A1:2020 (ITE) FCC: Part 15B/ Part 18, UL: ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) CUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1:2005+A1:2012+A2:2020,MOD) (V3.2) TELEC :JAPAN TELEC		



POWERFUL MEDICAL ALL IN ONE PC

Medical AIO is a highly cost effective solution. Intel Core i9 processor, up to 64GB DDR5 and capacitive multi-touch screen enhance the efficiency of hospital applications. Fanless design keeps environment quiet and reduces the effort in cleaning. With one PCI Express[x4] slot, any standard PCI Express[x1/x4] card such as isolated RS-232 card and video capture card can be installed to enhance capability.

Key Features:

- 19"/22"/24"LCD with capacitive multi-touch
- Fanless Design for Quiet and Easy Maintenance
- Trusted Platform Module and RFID Reader for Security Enhancement
- Reading Light
- One PCI Express[x1] or [x4] Slot



Intel® Core Platform for Critical Applications



Super 3.0 for USB, SATA and PCI-e



Quiet, Clean & Easy Maintenance



Triple Isolation Protection to Patient



Dual Antennas with Best WLAN performance



MATE2-2412

24" Fanless 13th Generation Core i9 Powerful
Medial All in One PC



MATE2-2212

22" Fanless 13th Generation Core i9
Powerful Medial All in One PC

SYSTEM

Processor	Intel® 13th Generation Core i9-13900TE 24 Cores 5.0GHz Intel® 13th Generation Core i7-13700TE 16 Cores 4.8GHz Intel® 13th Generation Core i5-13500TE 14 Cores 4.5GHz
System Memory	Supports Dual Channel DDR5 5600/4800 SODIMM up to 64GB
OS support	Windows® 10, Windows® 11, Linux®
Expansion Interface	PCI Express[x4]/[x1] (optional)
Security	Trusted Platform Module , Imprivata RFID Reader (optional)
Wireless Communication	802.11 ac/ax (optional), Bluetooth 5 (optional)

DISPLAY

Size	24" LCD	22" LCD
Resolution	1920 x 1080	1920 x 1080
Brightness	250 nits	250 nits
Touch Screen	Capacitive Multi-Touch	Capacitive Multi-Touch

I/O

USB	USB 3.2 Gen 2 x 2 , Gen 1 x 2	
Serial Port	RS-232 x 2	RS-232 x 2 or x1
Ethernet	Gigabit LAN x 2	Gigabit LAN x 2
Video Out	HDMI 2.0 x 2 (Supports resolution up to 3840 x 2160)	HDMI 2.0 x 2 (Supports resolution up to 3840 x 2160)
Audio	Mic-in, Line-out	Mic-in, Line-out

MECHANICAL AND ENVIRONMENTAL

Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting VESA	75/100 mm	75/100 mm
Degree of Protection	IP65 in the front ; IP54 in the back	IP65 in the front ; IP54 in the back
Dimension	586 x 382 x 67 mm	542 x 355 x 67 mm
Packing Size	755 x 195 x 528mm	711 x 195 x 503mm
Gross Weight	14 kg (30.86 lb)	11 kg (24.25 lb)
Net Weight	8.7 kg (19.2lb)	7.5 kg (16.5lb)
Certification	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020 (ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC:JAPAN TELEC	



MATE-1903

19" Fanless 6th Generation Core i7 / i5 / i3 Processor
One PC

SYSTEM

Processor	Intel® 6th Generation Core i7 / i5 / i3 Processor
System Memory	Supports Dual Channel DDR4 2133 SODIMM up to 32GB
OS support	Windows® 7, Windows® 10, Linux®
Expansion Interface	PCI Express[x1] (optional)
Security	Trusted Platform Module, RFID Reader (optional) Smart Card Reader x 1 (optional)
Wireless Communication	802.11ac, Bluetooth 5.1 (optional)

DISPLAY

Size	19" LCD
Resolution	1280 x 1024
Brightness	250 nits
Touch Screen	Capactive Multi-Touch Screen

I/O

USB	USB 3.0 x 4, USB 2.0 x 2
Serial Port	RS-232 x 2
Ethernet	Gigabit LAN x 2
Video Out	Display Port x1, HDMI x1 (Supports resolution up to 3840 x 2160)
Audio	Mic-in, Line-out

MECHANICAL AND ENVIRONMENTAL

Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting VESA	75/100 mm
Degree of Protection	IP65 in the front
Dimension	450 x 388 x 66 mm
Packing Size	640 x 220 x 520 mm
Gross Weight	11 kg (24.25 lb)
Net Weight	7.5kg (16.53b)
Certification	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC:JAPAN TELEC

* Note: All specifications are subject to change without notice.



MEDICAL DISPLAY FOR MEDICAL DEVICE

Are you still looking for suitable displays for all kinds of requirement in hospital?
Do you still wonder where the solutions are?

The Onyx slim display provides full product functions and complete sizes of LCD Monitor to fulfill the requirements of various hospital applications. Analog and digital ports allow user to choose their solutions by application. Digital port prevents signal distortion during transmission while viewing medical images. All displays have touchscreen function and high definition Graphic quality and anti-bacterial design.

Key Features:

- Versatile LCD size
- Photo Sensor achieved Stable and Consistent Image
- CE/ FCC, Class B Passed 18, EN 60601-1-2:2007+A1:2013+A2:2021(V3.2), EN60601-1-2:2015+A1:2021(V4.1)

FHD/4K



Scalable LCD Display Choices



Fabulous Touch experience



Green and Low power consumption



Long term product life time support



Flexibility for customization request to medical equipment



MEDDP-632

32" 4K-UHD Medical LCD Monitor

MAIN SPECIFICATION

Size	32"
Resolution	UHD 3840 x 2160
Max. Colors	1.07B Colors
White Luminance (Typ.)	350 nits
Viewing Angle (CR=10)(Typ.)	178°(H)/178°(V)
Contrast Ratio (Typ.)	1000:1
Touch Screen	Projected Capacitive Multi Touch Screen
Power Requirement	External power adapter, AC IN: 100-240V, DC 24V/6.25A

SYSTEM

OS Support	Windows® 7, Windows® 10 , Windows® 11
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IO

Input Signal	Audio-in x 1, Dual DVI x 1, DP 1.2 x 1, VGA x 1, 3G SDI x 1, HDMI 1.4 x 1, HDMI 2.0 x 1
Output Signal	Audio-out x1, DP 1.2 x1, 3G SDI x1
USB Port	USB 2.0 Type B x1 for Touch Screen
Serial Port	RS-232 x 1
GPIO	RJ-11 x 1
Speaker	Built in 5W speaker x 2
Power Out	DC 5V

MECHANICAL AND ENVIRONMENT

Operating Temperature	0°C-35°C (32°F-95°F)
Storage Temperature	-20°C-60°C (-4°F-140°F)
Storage Humidity	10% to 90% RH, noncondensing
VESA	100mm x 200mm and 200mm x 200mm
Dimension (W/H/D)	799 x 478 x 64.7 mm
Packing Size	980x260x700mm
Gross Weight	13.20kg (29.10lb)
Net Weight	11.60kg (25.57lb)
Certifications	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007/A1:2013/A2:2021 (V3.1) FCC: Part 18 Subpart C



MEDDP-727
27" Slim 4K Medical Display



MEDDP-627
27" Slim Medical Display



MEDDP-624
23.8" Slim Medical Display

MAIN SPECIFICATION

Size	27"	27"	23.8"
Resolution	UHD 3840 x 2160	FHD 1920 x 1080	FHD 1920 x 1080
Max. Colors	1.07B colors	16.7M	16.7M
White Luminance	500 nits	350 nits	400 nits
Viewing Angle	178°(H)/178°(V)	178°(H)/178°(V)	89°(H)/89°(V)
Contrast Ratio (Typ.)	1000:1	3000:1	1000:1
Touch Screen	Projective capacitive touch screen	Projective capacitive touch screen (optional)	
Power Requirement	External power adapter, AC IN: 100~240V, DC 12V/7.5A	External power adapter, AC IN: 100~240V, DC 12V/5A	

SYSTEM

OS Support	Windows®10, Windows® 11
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IO

Input Signal	DVI-D x1, HDMI 2.0 x1, DP 1.2 x1, VGA x1, HD SDI x1	DVI-D x1, HDMI 1.4 x1, DP 1.2 x1	DVI-D x1, HDMI 1.4 x1, DP 1.2 x1
Output Signal	HD SDI x1	N/A	N/A
USB Port	USB 3.0 Type B x1 for Touch Screen USB 3.0 Type A x1 for USB peripherals	USB 2.0 Type B x1 for Touch Screen	
Audio	Line-in x1	Line-in x1	Line-in x1
Speaker	Built in 10W speaker x2	Built in 2W speaker x2	Built in 2W speaker x2

MECHANICAL AND ENVIRONMENT

Operating Temperature	5°C~40°C (41°F~104°F)		
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)		
Storage Humidity	10% to 90% RH, noncondensing	10%~90%@35°C, non-condensing	10%~90%@35°C, non-condensing
VESA	100mm x 200mm, 100mm x 100mm		
Dimension (W/H/D)	657 x 400 x 62 mm	648.85 x 389.55 x 62.93 mm	576.89 x 345.09 x 62.70 mm
Packing Size(W/H/D)	786 x 537 x 232 mm	730 x 560 x 300 mm	645 x 545 x 295 mm
Gross Weight	11.58kg (25.53lb)	10.5kg (23.15lb)	9.22kg (20.33lb)
Net Weight	7.82kg (17.24lb)	8.5kg (18.74lb)	5.91kg (13.03lb)
Certifications	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007/A1:2013/ A2:2021 (V3.2) FCC: Part 15 Subpart B / Part 18 Subpart C	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007/A1:2013/A2:2021 (V3.2) FCC: Part 18 Subpart C	



MEDDP-822
21.5" Slim Medical Display



MEDDP-722
21.5" Slim Medical Display



MEDDP-622
21.5" Slim Medical Display

MAIN SPECIFICATION

Size	21.5"	21.5"	21.5"
Resolution	FHD 1920 x 1080	FHD 1920 x 1080	FHD 1920 x 1080
Max. Colors	16.7M		
White Luminance	500 nits	250 nits	350 nits
Viewing Angle	178°(H)/178°(V)		
Contrast Ratio (Typ.)	1000:1		
Touch Screen	Projected Capacitive Multi Touch Screen	Projective capacitive touch screen (optional)	Projective capacitive touch screen (optional)
Power Requirement	External power adapter, AC IN: 100~240V, DC 12V/3A		External power adapter, AC IN: 100~240V, DC 12V/5A

SYSTEM

OS Support	Windows® 10, Windows® 11
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IO

Input Signal	DVI-D x1, HDMI 1.4 x1, VGA x1	DVI-D x1, HDMI 1.4 x1, VGA x1	DVI-D x1, HDMI 1.4 x1, DP 1.2 x1
USB Port	USB 2.0 Type B x1 for Touch Screen		
Audio	Line-in x 1	Line-in x1	Line-in x1
Speaker	Built in 5W speaker x 2	Built in 5W speaker x2	Built in 2W speaker x2

MECHANICAL AND ENVIRONMENT

Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)	5°C ~ 40°C(41°F ~ 104°F)	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)	-10°C ~ 60°C(14°F ~ 140°F)	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10% to 90% RH, noncondensing	10%~90%@35°C, non-condensing	10%~90%@35°C, non-condensing
VESA	75mm x 75mm, 100mm x 100mm	75mm x 75mm, 100mm x 100mm	75mm x 75mm, 100mm x 200mm
Dimension(W/H/D)	526 x 324 x 54mm	546 x 351 x 56 mm	525.3 x 320.3 x 55.9 mm
Packing Size(W/H/D)	645 x 378 x 210 mm	644 x 489 x 211 mm	570 x 402 x 196 mm
Gross Weight	6.8kg (14.99lb)	8.4kg (18.52lb)	6.4kg (14.11lb)
Net Weight	5.0kg (11.02lb)	5.7kg (12.57lb)	4.6kg (10.14lb)
Certifications	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007/A1:2013/ A2:2021 (V3.2) FCC: Part 15 Class B / Part 18 Class B UL: ANSI/AAMI ES60601-1: 2005 & A1:2012 & A2:2021 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007/A1:2013/ A2:2021 (V3.2) FCC: Part 15 Class B / Part 18 Class B UL: ANSI/AAMI ES60601-1: 2005 & A1:2012 & A2:2021 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1) CCC	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007/A1:2013/ A2:2021 (V3.2) FCC: Part 18 Class B



MEDDP-615
15.6" Slim Medical Display



MEDDP-415
15" Slim Medical Display

MAIN SPECIFICATION

Size	15.6"	15"
Resolution	FHD 1920 x 1080	XGA 1024 x 768
Max. Colors	262K	16.2M
White Luminance	400 nits	300 nits
Viewing Angle	170° (H)/170° (V)	170° (H)/170° (V)
Contrast Ratio (Typ.)	800:1	700:1
Touch Screen	Projected Capacitive Multi Touch Screen	P-cap Touch, Protective Glass
Power Requirement	External power adapter, AC IN: 100~240V, DC 12V/3.33A	

SYSTEM

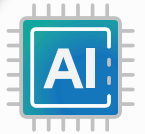
OS Support	Windows® 10, Windows® 11
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IO

Input Signal	HDMI 1.4 x1, VGA x1	HDMI 1.4 x1, VGA x1
USB Port	USB 2.0 Type B x1 for Touch Screen	USB 2.0 Type A x1 for Touch Screen
Audio	Line-in x1	Line-in x1
Speaker	Built in 1W speaker x2	Built in 1W speaker x2

MECHANICAL AND ENVIRONMENT

Operating Temperature	0°C~50°C (32°F~122°F)	0°C~40°C (32°F~104°F)
Storage Temperature	-10°C ~ 60°C (14°F ~ 140°F)	-20°C~60°C (-4°F~176°F)
Storage Humidity	10%~90%@35°C, non-condensing	10%~90%@35°C, non-condensing
VESA	75mm x 75mm, 100mm x 100mm	75mm x 75mm, 100mm x 100mm
Dimension (W/H/D)	387.8 x 232.9 x 38.4 mm	352.5 x 276.7 x 45 mm
Packing Size(W/H/D)	425.3 x 269.2 x 45.6 mm	402.5x 326.1 x 80.0 mm
Gross Weight	5.20kg (11.46lb)	3.7kg (8.16lb)
Net Weight	1.50kg (3.31lb)	2.6kg (5.73lb)
Certifications	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007/A1:2013/A2:2021 (V3.2) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1: 2005 & A1:2012 & A2:2021 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007/A1:2013/A2:2021 (V3.2) FCC: Part 15 Class B / Part 18 Class B CCC



MEDICAL COMPUTER FOR MEDICAL DEVICE

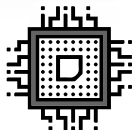
The Onyx MEDPC series shortens your product time to market and helps you to win more market share. Featuring a rich and diversified medical computer platform, the MEDPC series offers a more powerful fanless box PC with flexible I/O customization options.

Key Features:

- All system with flat shape outline, easy to clean
- Support dual display output
- Variety IO, High speed USB 3.0, COM ports, GbE LAN, digital / analogue video output



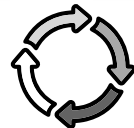
Ready-to-use Medical Certified Platform



Latest Off-the-shelf Processor for Selection



Unique Medical Device Functions



5-7 Year Longevity Lifecycle Support

* Note: All specifications are subject to change without notice.



MEDPC-7300
Ultra Slim Medical PC with
Intel® Meteor Lake Processor



MEDPC-3300
Ultra Slim Medical PC with
Intel® Alder Lake-N

SYSTEM SPECIFICATION

Processor	Intel® Meteor Lake-U Core Ultra 125U	Intel® Alder Lake-N series i3-N305 N97
System Memory	DDR5 up to 32GB	DDR5 up to 32GB
OS Support Chipset	Windows® 11 (64bit) Ubuntu 24.04 LTS IGEL 11/12 (thin client solution)	Windows® 11 (64bit) Ubuntu 24.04 LTS IGEL 11/12 (thin client solution)
Graphics	Intel® Graphics	Intel® UHD Graphics
Storage	m.2 SSD up to 2TB	m.2 SSD up to 1TB
Wireless Communication	WiFi6E+BT5.3 (optional)	WiFi6E+BT5.3 (optional)
Speaker	2x 3W (optional)	2x 3W (optional)
Security	TPM 2.0	TPM 2.0

I/O

Rear IO	1x 12V DC-in power Jack (DCIN1) 2x USB3.2 (Gen.2), 2x USB 2.0, 1x DP 2.0 2x 2.5Gbps RJ-45 LAN port, 1x ground pin 1x k-slot 1x Digital IO (optional) 2x COM (optional) 1x capture port - HDMI (optional) -work with SATAIII SSD only	1x 12V DC-in power Jack (DCIN1) 1x USB3.2 (Gen.2) Type-A port 1x USB3.2 (Gen.2) Type-C port 4x USB 2.0 port 2x HDMI 2.0b 2x 2.5Gbps RJ-45 LAN port 1x Audio Line-out/MIC port 1x ground pin 1x k-slot 1xDigital IO (optional) 2x COM (optional) 1x capture port - HDMI (optional) -work with SATAIII SSD only
Front IO	1x power key with LED 1x external 4pin power switch (optional) 1x storage LED indicator	1x power key with LED 1x external 4pin power switch (optional) 1x storage LED indicator

MECHANICAL AND ENVIRONMENTAL

Dimension	180 x 133 x 60 (mm)	180 x 133 x 60 (mm)
Packing Size	305 x 225 x 230 (mm)	305 x 225 x 230 (mm)
Gross Weight	2.4kg	2.4kg
Net Weight	1.2kg	1.2kg
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)	



MEDPC-9200

High Performance Medical Grade PC with Intel® 6th Generation Core™ iSeries



MEDPC-9210

High Performance Medical Grade PC with Intel® 13th Generation Core™ iSeries

SYSTEM SPECIFICATION

Processor	Intel® 7th/6th Generation Core™ i7/ Core™i5/Core™ i3	Intel® 13th gen Core™ i9/i7/i5/i3
System Memory	Supports Dual Channel DDR4 SODIMM up to 32 GB	Supports DDR4 3200 SO-DIMM x 2 up to 64GB
OS Support Chipset	Windows® 7, Windows® 8, Windows®10, Linux® (optional)	Windows® 11, Linux (optional)
Expansion Interface	PCI-Express [x1] x 1, Half-size Mini-Card x1, Full/Half-size Mini-Card x1	WiFi6E+BT5.3 (optional)
Storage Disk Drive	2.5" SATA SSD x 1	M.2 M Key PCIe SSD x 2
Function Ports	Digital IO x1 (optional) external power switch (optional)	Digital IO x1 (optional) external power switch (optional)

GRAPHIC SPECIFICATION

Chipset	Intel® H110	N/A
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I/O

Video	Display Port x 1, HDMI x 1	Display port x 2, HDMI x 1
Audio	Mic-in, Line-out	Mic-in, Line-out
USB	USB 3.0 x 4, USB 2.0 x 2	USB 3.2 Gen 2 x 4 , USB 3.0 x 2(optional) front:USB 2.0 x2(optional)
Serial Port	RS232 x 2	RS232 x 2
Ethernet	Gigabit LAN x 2	Gigabit LAN x 2

MECHANICAL AND ENVIRONMENTAL

Power Requirement	DC12V power input	DC12V power input
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)	
Dimension	197x197x59.5 mm for main layer 197x197x44 mm for extension layers	215 x 88 x 231mm
Packing Size	300 x 280 x 95 mm	
Gross Weight	3.3 kg (7.25 lb) in the single layer, 4.0 kg (7.25 lb) in two layer	5.7kg
Net Weight	2.5 kg in the single layer, 3.7 kg in two layers	4.5kg
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)	

AMD



MEDPC-9300

High Performance Medical Grade PC with AMD Ryzen™ Embedded V1000

intel



MEDPC-2100

Ultra Slim Medical Grade PC with Intel Bay Trail SoC

SYSTEM SPECIFICATION

Processor	AMD Ryzen™ Embedded V1000 V1807B / V1605	Intel® Quad Core Celeron J1900 2GHz
System Memory	DDR4 SODIMM x2, Max. 32GB (V1807B) DDR4 SODIMM x2, Max. 24GB (V1605B)	2GB DDR3 up to 8GB
OS Support Chipset	Win 10 IoT Enterprise 64-bit / Linux	Windows® 7, Windows® 10
Expansion Interface	1x PCI-E(8x), M.2 (E-key, type:2230), 1x M.2 (B-key, type:2280) 1x Mini-Card	Mini Card Slot x 1 [half size]
Storage Disk Drive	2.5" SATA SSD x 1, M.2 (B-key, Type 2280) x1	Cfast Card x 1

GRAPHIC SPECIFICATION

Chipset	N/A	Intel® HD Graphics
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I/O

Video	Display port x 1, HDMI x 1, USB Type C x 1	VGA x 1, HDMI x 1
Audio	Mic-in, Line-out	Line out, Mic-in
USB	USB 3.1 x 2 USB 2.0 x 2, USB TypeC x 1	USB 2.0 x 3, USB 3.0 x 1
Serial Port	RS232 x 2	RS232 x1
Ethernet	Gigabit LAN x 2	Gigabit LAN x 1

MECHANICAL AND ENVIRONMENTAL

Power Requirement	DC12V power input	DC 12V power input
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)	0°C ~ 40 °C(32°F ~104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	197x197x59.5 mm for main layer 197x197x44 mm for extension layers	196 x 131 x 50 mm
Packing Size	300 x 280 x 95 mm	305 x 225 x 230 mm
Gross Weight	3.3 kg (7.25 lb) in the single layer, 4.0 kg (7.25 lb) in two layer	2.4kg (5.28lb)
Net Weight	2.5 kg in the single layer, 3.7 kg in two layers	1.2Kg (2.64lb)
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)	

PATIENT MONITORING ACCESSORY SELECTION



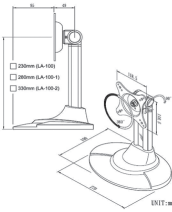
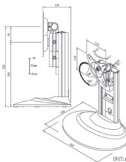
OPM-H02S
Desktop Stand



OPM-H01S
Desktop Stand



OPM-H08S
Desktop Stand

<ul style="list-style-type: none"> • Apply to 10"~17" Slim Medical Panel PC, Medical Display • Spinning around high and mighty; able to bear 2kg to 8kg. • Providing 2 mounting space in coordination with VESA standard: 75mm x 75mm and 100mm x 100mm 	<ul style="list-style-type: none"> • Apply to 15" ~ 24" Medical Station, Slim Medical Panel PC, Medical Display • Spinning around high and mighty; able to bear 5 kg to 10kg. • Providing 2 mounting space in coordination with VESA standard: 75mm x 75mm and 100mm x 100mm • The angle of view was designed adjustable for clear vision • Flexible angle create brand-new atmosphere of monitors. • Up-to-date choice in the multimedia era. • Show yourself and break the limit of environment. • Regulate as you want to make more space. 	<ul style="list-style-type: none"> • Apply to 19" ~ 32" Medical All in One PC. • Spinning around high and mighty; able to bear 2 kg to 20kg. • Providing 2 mounting space in coordination with VESA standard: 75mm x 75mm and 100mm x 100mm • The angle of view was designed adjustable for clear vision • Flexible angle create brand-new atmosphere of monitors. • Up-to-date choice in the multimedia era. • Show yourself and break the limit of environment. • Regulate as you want to make more space.
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OPM-H12A
VESA Mount Power Adapter Holder

- Design for 1255301202 & 1255301204 with 120W
- Apply to 15" to 24" Medical Station, Slim Medical Panel PC
- Providing 2 mounting spaces in coordination with VESA standard: 75mm x 75mm and 100mm x 100mm

HEALTHCARE INFOTAINMENT ACCESSORY SELECTION



OPM-H13A/H14A
Easi Wall Mount Swivel ARM



OPM-H15A/H16A
Easi Ceiling Mount Swivel ARM

FEATURES

- Built in "Gas Spring" for easy movement
- Cable management
- Anti-bacteria coating (optional)

FEATURES

- Built in "Gas Spring" for easy movement
- Cable management
- Anti-bacteria coating (optional)

	OPM-H13A-A1	OPM-H14A-A1	OPM-H15A-A1	OPM-H06A-A1
Feature	Long ARM		Ceiling Mount	
Tile	20° up and 35° down (display) 20° up and 60° down (arm)		20° up and 35° down (display) 20° up and 60° down (arm)	
Mounting Option	Wall Mount Type		Ceiling Mount Type	
VESA	75/100mm		75/100mm	
Material	Aluminum alloy and plastic cover		Aluminum alloy and plastic cover	
Pivot	180°, 370°, 270° (wall, arm, display)		270°, 370°, 270° (ceiling, arm, display)	
Extension	1907mm			
Capacity	1~6Kg (2.2~13.2lbs)	6~12kg (13.2~26.4lbs)	1~6Kg	6~12kg



OPM-H04A
Ergonomic Wall Mount Swivel ARM

FEATURES

- Durable and easy to clean
- Double Gas springs assisted for high vertical movement
- Fully cable managed

Feature	Long ARM
Tile	20° up and 40° down
Mounting Option	Wall Mount Type
Material	Aluminum alloy and plastic cover
Arm swivel	180°
Overall reach	1700mm
Capacity	1~8Kg