

MD-116(i) Spec & Feature



12" Rugged Mobile CDSS Tablet for AI

- Intel® Apollo Lake processor / Sky Lake U processor / Kaby lake U processor
- Dual hot-swappable batteries for 24/7 operation
- Dual smart card readers for multiple-care workflow
- Standard USB Type-A and RJ45 for easy connection to medical devices
- IP54 certified & 3 feet drop resistant
- ORION client compatible
- Instant vehicle docking system
- Automotive Directive and EN1789 certified for ambulances/ medical transportation vehicles

Main Specifications	MD116	MD116i	I/O	MD116	MD116i
Processor	Intel® Apollo Lake Processor	Intel® Kaby Lake U Processor	USB	USB 3.0 (Type-A) x1, USB 2.0 (Type-A) x1	
System Memory	DDR3L SO-DIMM x1, Default 4 GB (Up to 8 GB)	DDR4 SO-DIMM x1, Default 4 GB (Up to 8 GB)	Ethernet	Gigabit LAN x1	
OS Support	Microsoft® Windows 10 IOT LTSB		DC-In	DC-in Jack x1	
Storage	M.2 Interface x1, Default 64 GB		Docking	Docking Connector x1	
Wireless Communication	802.11 a/b/g/n + BT4.0 (Optional)		Battery Pack	MD116	MD116i
Camera	2 MP (Front) / 5 MP (Rear)		Battery Type	Li-ion	
Touchscreen	Projected Capacitive Touchscreen, w/Gorilla Glass		Battery Capacity	4545 mAh (32.72Wh) x2	
LTE+GPS	Sierra EM7455x 2 (Optional)	Sierra EM7455 x 1(Optional)	Battery Run Time	Approx. 8 hrs	Approx. 3.5 hrs
Speaker	2W x1		Mechanical and Environmental	MD116	MD116i
Security	Smart Card Reader x2, RFID x1		VESA	VESA 75 via docking station	
Display	MD116	MD116i	Operating Temperature	0° C ~ 40° C (32° F ~ 104° F)	0° C ~ 35° C (32° F ~ 95° F)
Display Size	11.6" 16:9 Widescreen LED Panel		Storage Temperature	-20° C ~ 60° C (-4° F ~ 140° F)	
Resolution	FHD 1920 x 1080		Dimensions	312 (W) x 239 (H) x 37 (D) mm	
Luminance (cd/m2)	300nits	600nits	Net Weight	Approx. 1.45~1.8 kg (3.2 lb~3.97 lb)	



Vehicle Dock
OPM-T016-A3



Office Dock
OPM-T022-A1

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onyx
Smart Healthcare an ISUS ASSOC. CO.

MOBILE HEALTHCARE WITH AI ASSISTANCE

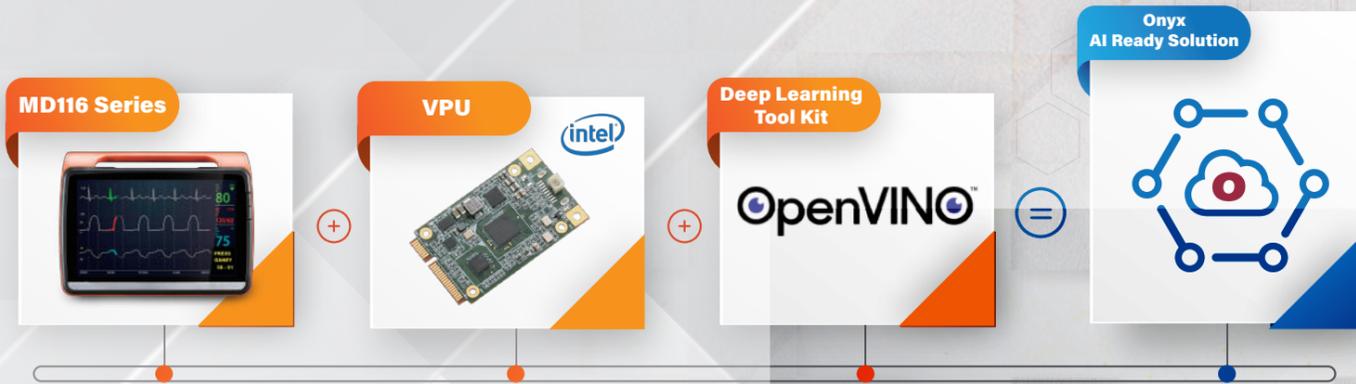
Mobile Medical Tablet



www.onyx-healthcare.com

MD116(i) WITH AI MODULE

MD116(i) AI APPLICATION



Intel® AI Accelerator: Movidius™ Myriad™ X VPU

The Intel® Movidius™ Myriad™ X is a low-power high-performance VPU capable of a wide range of AI applications and is capable of processing speeds up to 105 fps (80 typical) and 1 TOPS as a dedicated neural network accelerator. The Intel® Movidius™ Myriad™ X is compatible with Intel® Distribution of OpenVINO toolkit, Making it easy to setup and run AI inference software.



AI Core X
1 x Myriad X



Intel® Distribution of OpenVINO™ toolkit

The Intel® Distribution of OpenVINO™ toolkit helps accelerate deep learning inference across a variety of Intel® processors and accelerators. Rather than a one-size-fits-all solution, Intel offers a powerful portfolio of scalable hardware and software solutions, powered by the Intel® Distribution of OpenVINO™ toolkit, to meet the various performance, power, and price requirements of any use case.



Ultrasound **Wireless and Handheld**

Provide the best high performance and reliable ultrasound device.

This artificial intelligence assists doctors in the diagnosis of the tumor, and can be a non-invasive screening to breast puncture and biopsy to determine the malignancy of the breast tumor.



EKG **Wireless transmission & Real-time inference**

With AI can interpret the electrocardiogram signal, and assesses the condition of the heart, providing accurate and efficient assistance for doctors.

This artificial intelligence assists doctors in the diagnosis of the tumor, and can be a non-invasive screening to breast puncture and biopsy to determine the malignancy of the breast tumor.



**BEYOND
STEREOTYPE**

Telemedicine Series

Through combined Onyx MD116 tablets plus nursing cart packages, medical staff can easily execute daily routines with much higher efficiency and performance. They can easily carry the MD116 directly to a patient's bedside for immediate assessment of vital sign data, and access of patient information. This solution offers a quick docking and releases mechanism from the cart that minimizes carrying time to significantly free up medical staff from continuously having their hands full.



More Information

