

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
Processor	Intel® Apollo Lake Processor	Intel® Kaby Lake U Processor
System Memory	DDR3L SO-DIMM x1, Default 4 GB (Up to 8 GB)	DDR4 SO-DIMM x1, Default 4 GB (Up to 8 GB)
OS Support	Microsoft® Windows 10 IOT LTSC	
Storage	M.2 Interface x1, Default 64 GB	
Wireless Communication	802.11 a/b/g/n + BT4.0 (Optional)	
Camera	2 MP (Front) / 5 MP (Rear)	
Touchscreen	Projected Capacitive Touchscreen, w/Gorilla Glass	
LTE+GPS	Sierra EM7455x 2 (Optional)	Sierra EM7455 x 1(Optional)
Speaker	2W x1	
Security	Smart Card Reader x2 , RFID x1	
Display	MD116	MD116I
Display Size	11.6" 16:9 Widescreen LED Panel	
Resolution	FHD 1920 x 1080	
Luminance (cd/m2)	300nits	600nits

I/O	MD116	MD116I
USB	USB 3.0 (Type-A) x1, USB 2.0 (Type-A) x1	
Ethernet	Gigabit LAN x1	
DC-In	DC-In Jack x1	
Docking	Docking Connector x1	
Battery Pack	MD116	MD116I
Battery Type	Li-Ion	
Battery Capacity	4545 mAh (32.72Wh) x2	
Battery Run Time	Approx. 8 hrs	Approx. 3.5 hrs
Mechanical and Environmental	MD116	MD116I
VESA	VESA 75 via docking station	
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)	
Dimensions	312 (W) x 239 (H) x 37 (D) mm	
Gross Weight	3 kg (6.6 lb)	



Vehicle Dock
OPM-T016-A3



Office Dock
OPM-T022-A1

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Smart Healthcare an ASUS assoc. co.

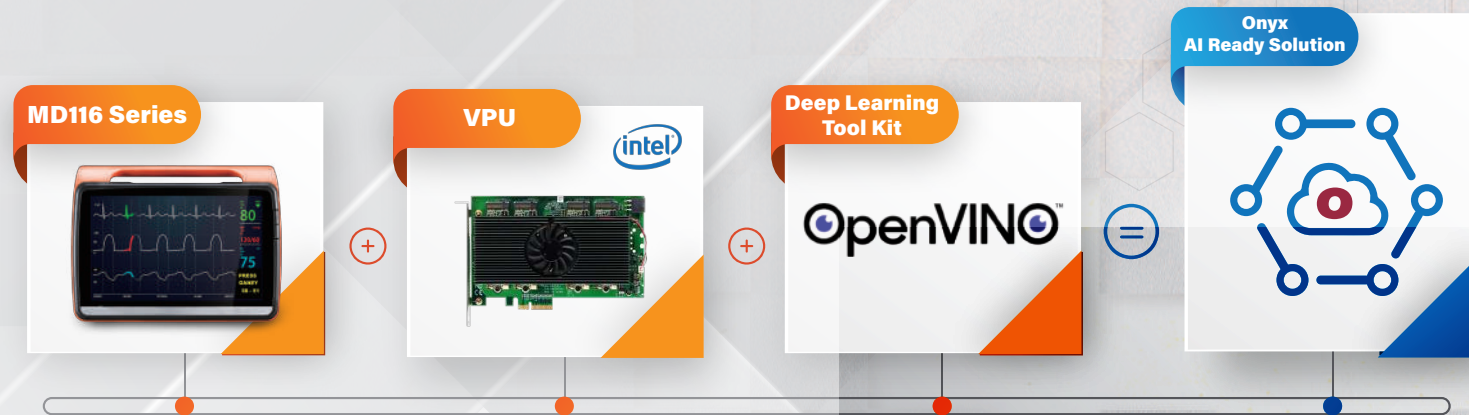
MOBILE HEALTHCARE WITH AI ASSISTANCE

Mobile Medical Tablet



www.onyx-healthcare.com

MD116(i) WITH AI MODULE



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.



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.



MD116(i) AI APPLICATION

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

MD116(i) 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

