

Introduction

New Generation POC

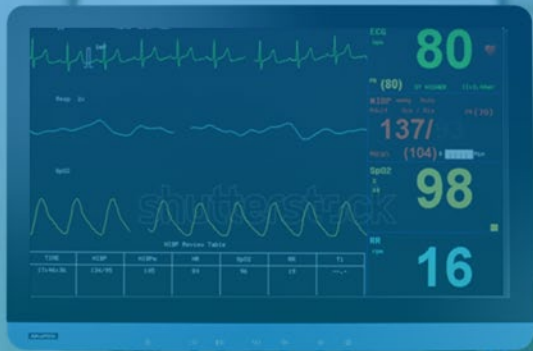
Advantech iHealthcare





Highlight

Featuring **8th Generation Intel® Core™ Processor**, new-generation POC-6 Series provides a high-performance computing. In addition, the enclosure covered with special material enables easy cleaning with disinfectants to ensure **infection control**.

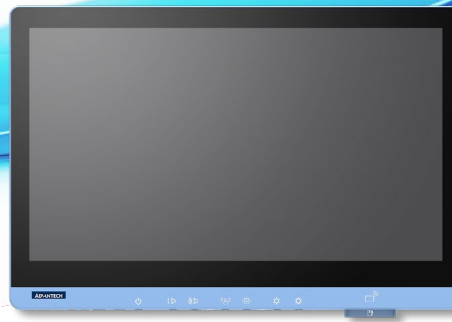


15"



POC-615

21"



POC-621

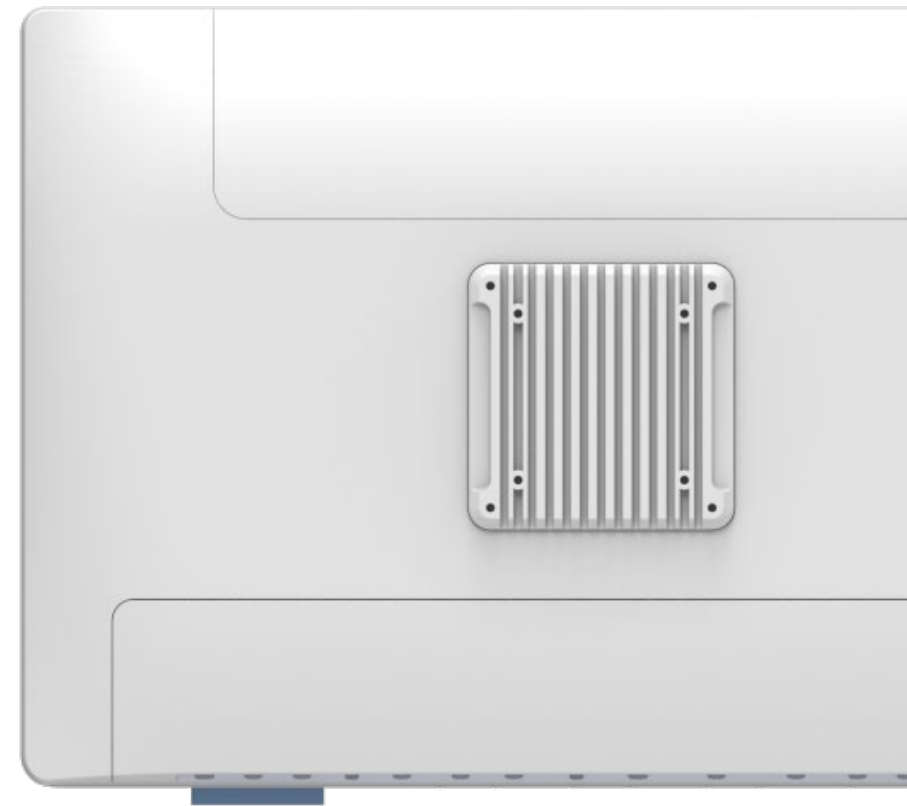
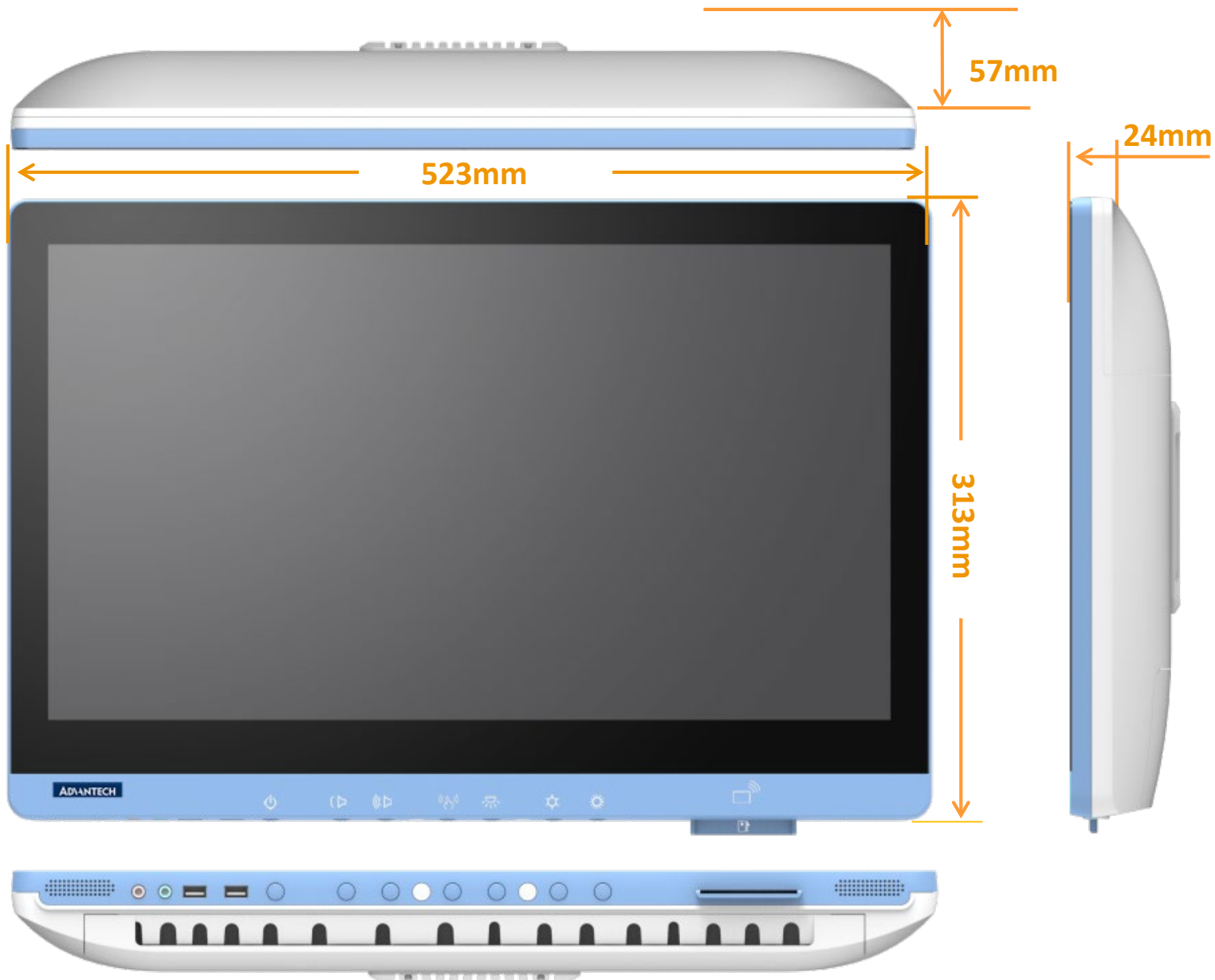
24"



POC-624

POC – 6 Series
New Generation

POC-621



POC-6 Series Application Scenarios

PDMS in ICU and OR

- ✓ Medical certification
- ✓ IP65 for superior water and dust protection
- ✓ Disinfectant enclosure



Mobile Applications

- ✓ Uninterruptable power supply
- ✓ Flexible power pack module for choice



HMI for Critical Equipment

- ✓ Rich I/O ports
- ✓ Customizable for equipment makers



High-Performance Computing

Whiskey Lake CPU

Whiskey Lake v.s. SkyLake v.s. Haswell

Whiskey Lake
Intel CORE i7-8665UE

8731

POC-6 Series



SkyLake
Intel Core i7-6600U

3862

POC-W243 / POC-W213



Haswell
Intel Core i7-4650U

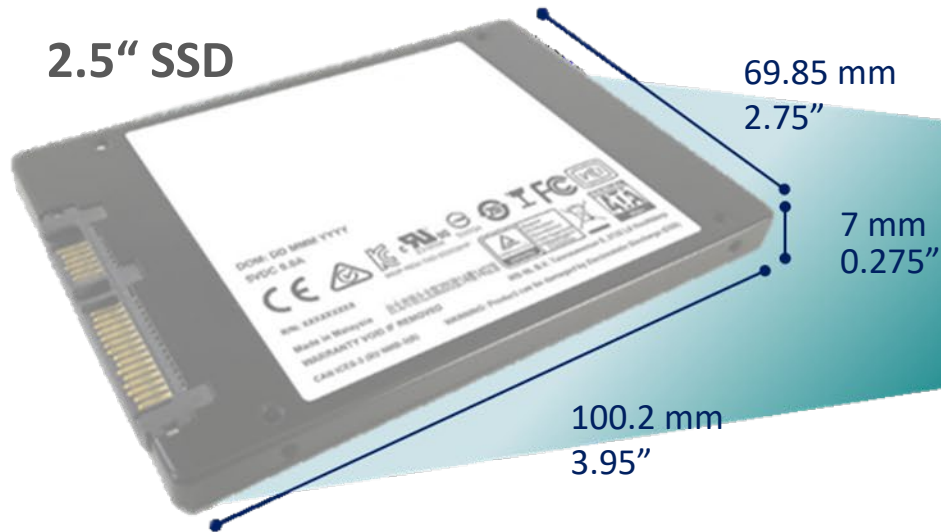
2566

POC-W152

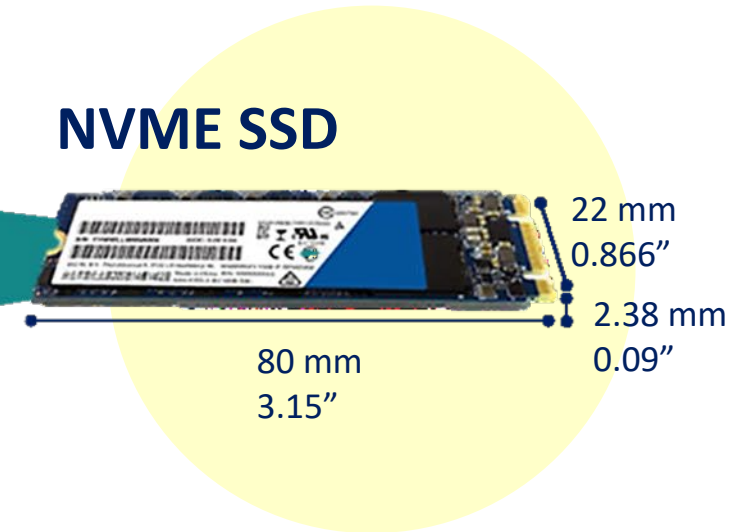


Save More Space for Scalability

NVME SSD (Non-Volatile Memory Express) - Whiskey Lake Platform



Save
90%
Space



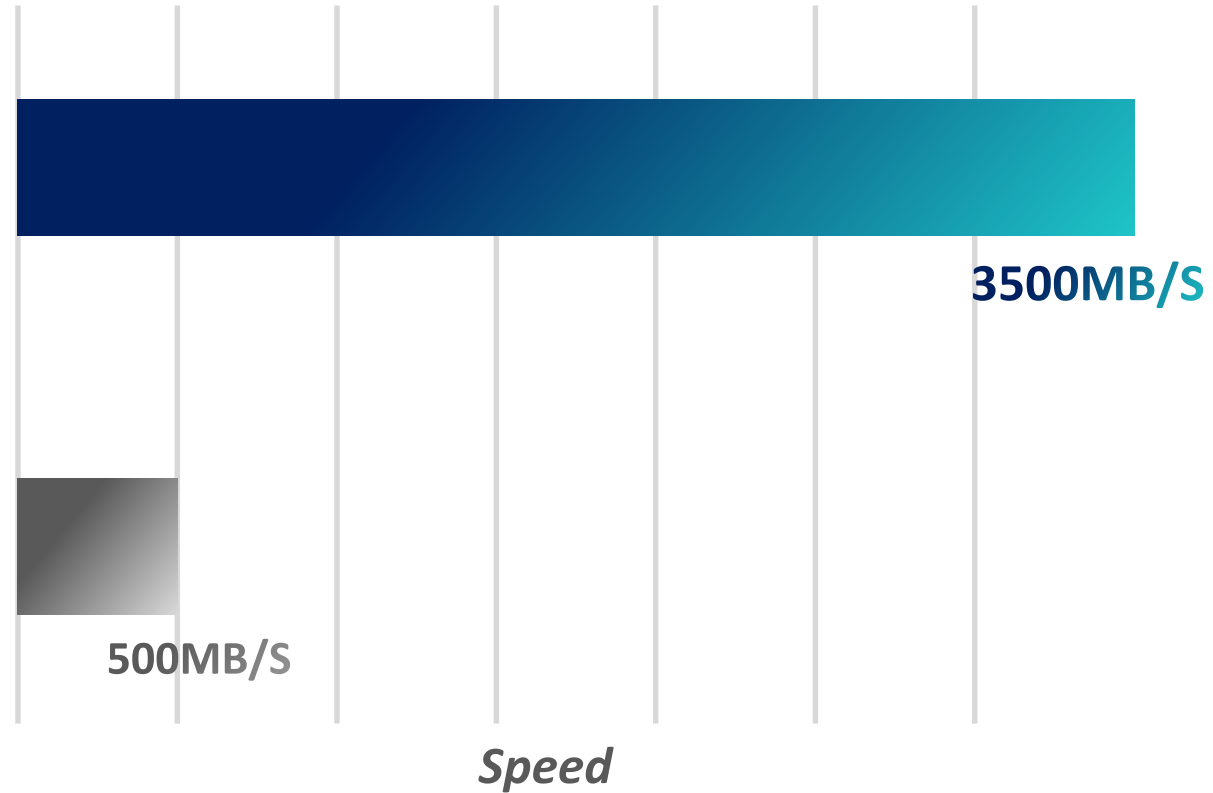
Faster Speed for Storage

NVME SSD (Non-Volatile Memory Express) - Whiskey Lake Platform

NVME SSD



2.5" SSD



UP to
7X
Faster

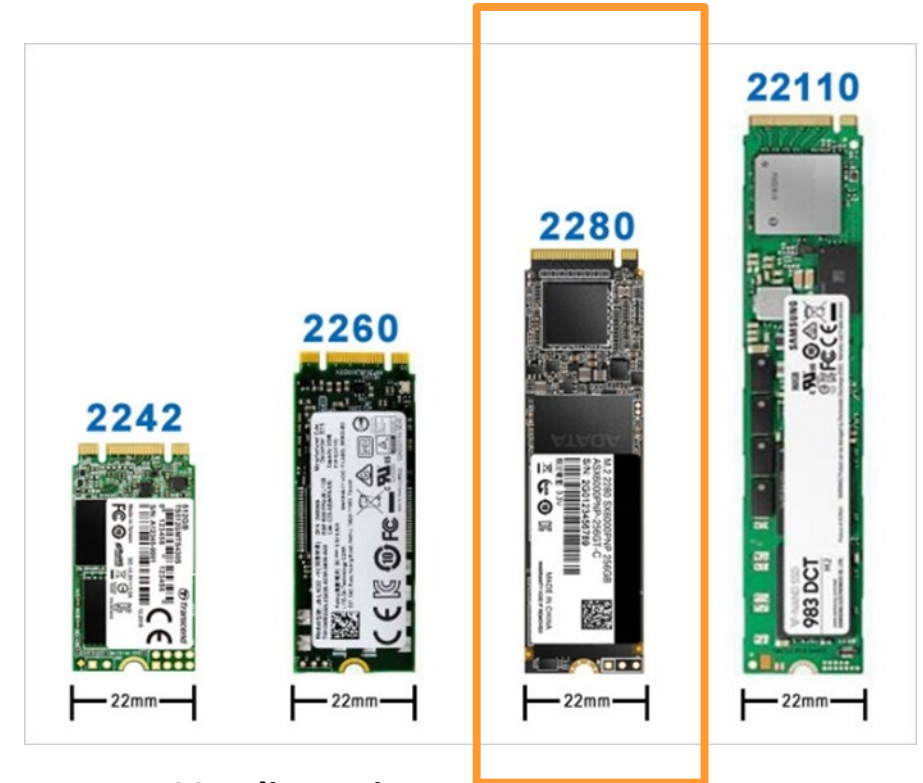
Flexible Storage for Options

NVME SSD (Non-Volatile Memory Express) - Whiskey Lake Platform

POC-621 and POC-624

support NVME M.2 2280 SSD with the following capacity

- 128GB
- 256GB
- 512GB
- 1TB



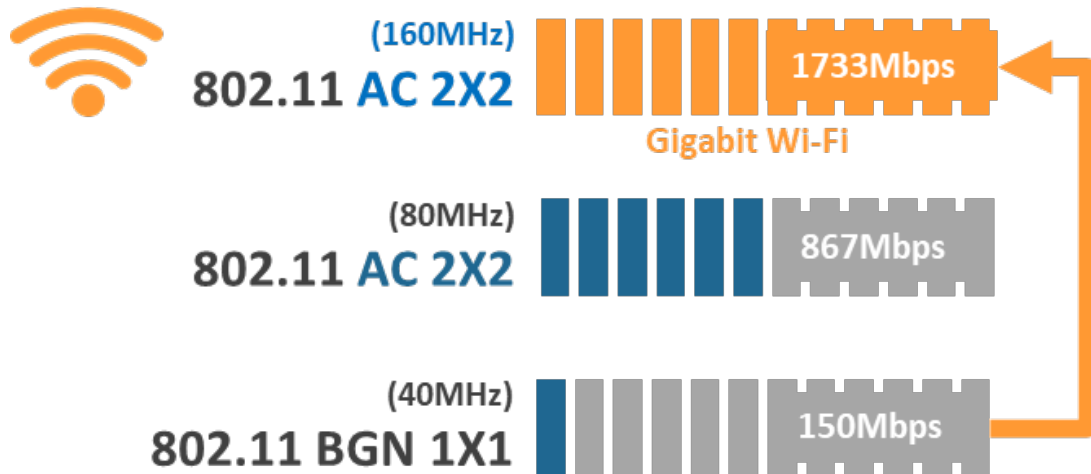
NVME SSD dimension :

First two digits (22) represents the width in millimeters (mm), while the next two digits represent the length, also in mm.

Faster Transmission Speed

Intel WiFi + BT Module - Whiskey Lake Platform

Intel AC 9260



Up to
12X
FASTER
PERFORMANCE

Intel® Wireless-AC 2x2 160 MHz
(1733 Mbps) at a glance



Delivers Gigabit-WiFi speed



Improves video conferencing










Ensures more reliable connections

Faster Transmission Speed

Intel WiFi + BT Module - Whiskey Lake Platform

POC-6 Series supports both modules

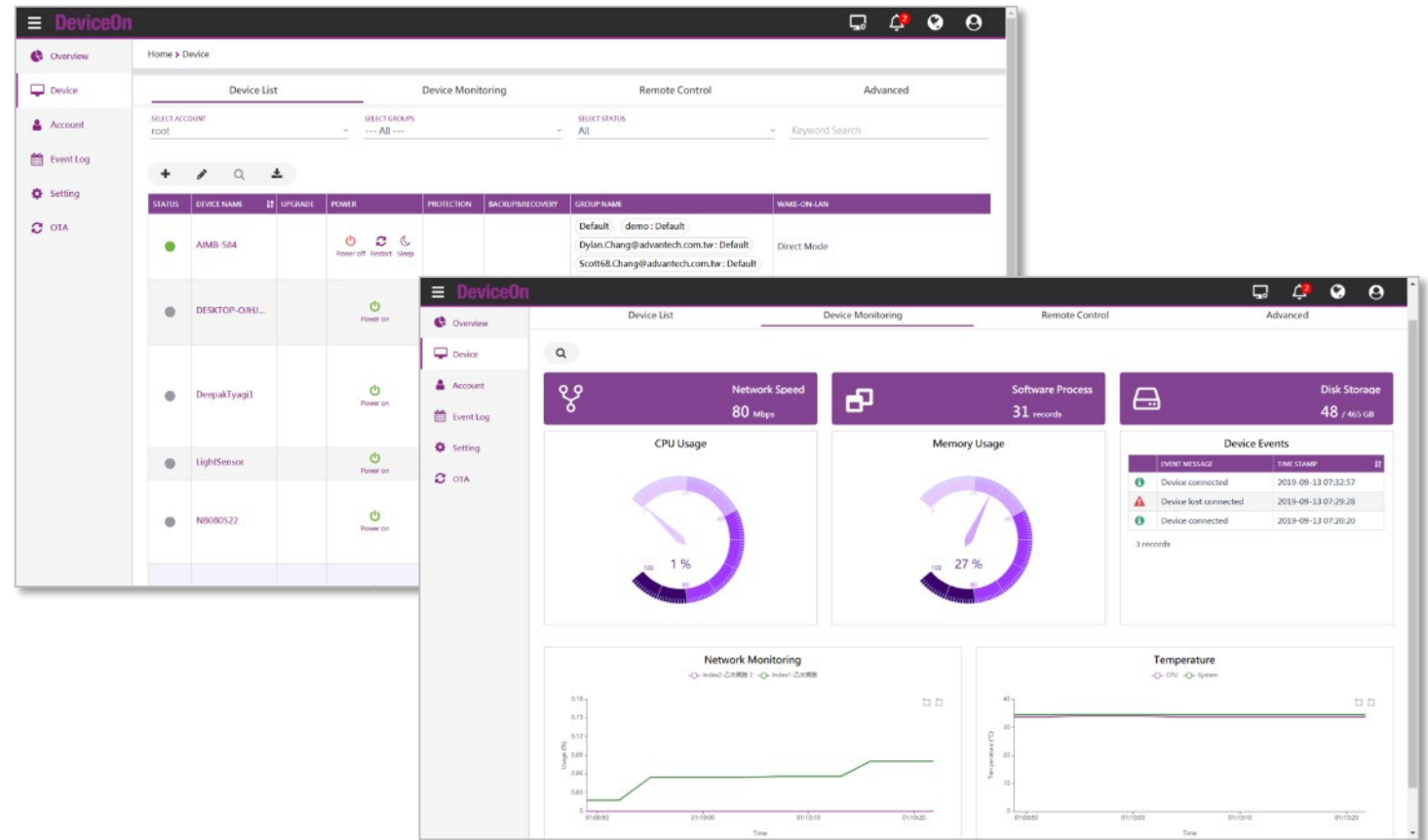
	Intel AC 9260	Intel AC 8265
Image		
Channel/Bands	2.4Ghz, 5Ghz (160Mhz)	2.4Ghz, 5Ghz
Speed	1.73Gbps	867 Mbps

b/g/n 1x1	vs.	Wireless-AC 2x2
This older-generation Wi-Fi was introduced back in 2007	 OLD VS. NEW	Designed for today's speeds and needs
Wireless data rates maxed out at 150 Mbps	 GET UP TO SPEED	Up to 6x faster ¹ at 867 Mbps
One antenna could mean dropped connections and bad reception	 CONNECTION QUALITY	Two antennae are more robust and reliable
Frequent buffering and choppy video means a long wait time	 VIDEO EXPERIENCE	Stream 4K video
Waiting for photos to send interrupts the vacation	 FILE TRANSFERS	Upload your travel pics to Facebook* albums in a flash

Real-Time Monitoring

Wise-DeviceOn assists you in managing, tracking, securing, and sustaining your devices

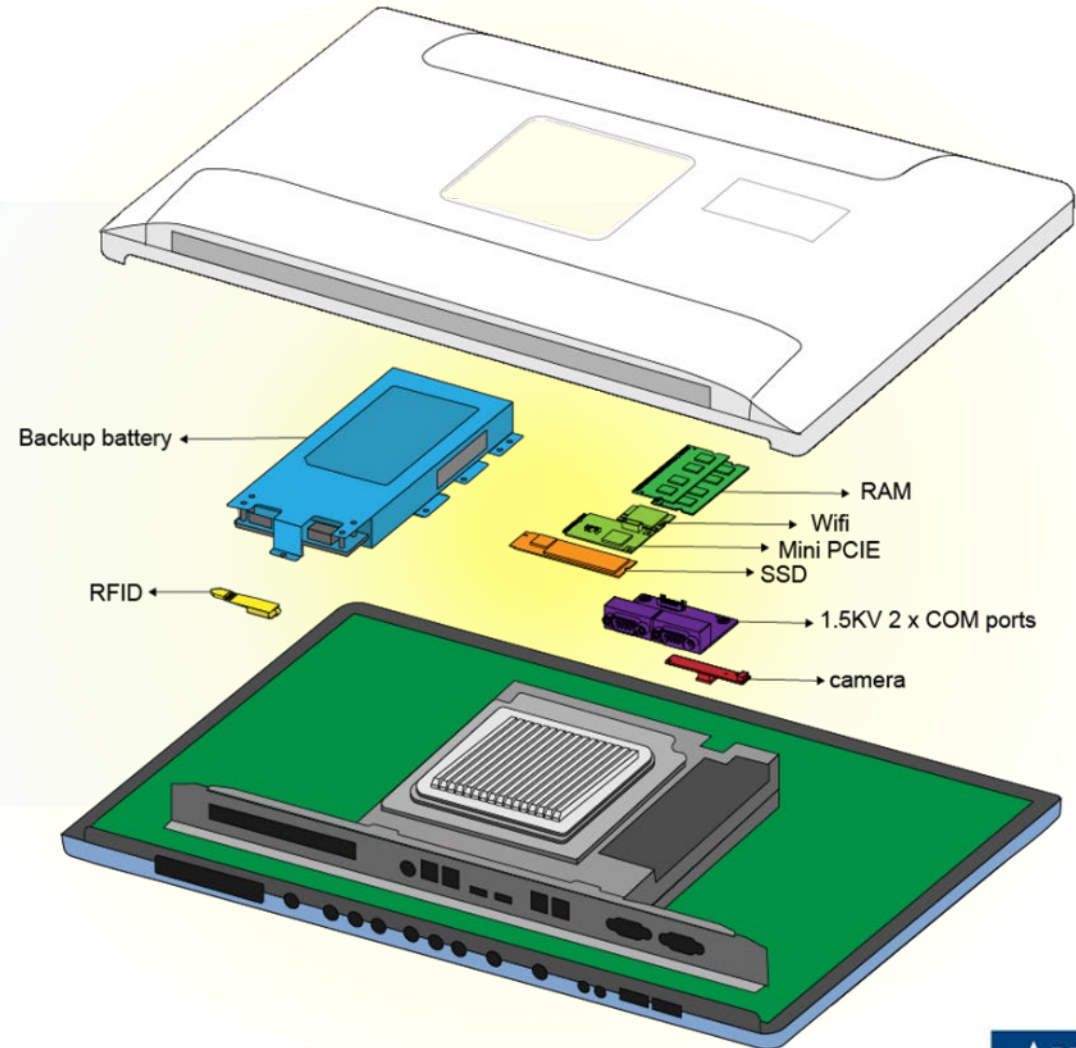
- Device List & Status
- SW/HW Health Monitoring
- Storage Predictive Maintenance
- Device Events



High Scalability

Additional slots for customizable modules

- SSD
- RAM
- Backup battery
- RFID
- Mini PCIE
- Camera
- iDoor (2x COM ports)
- Wifi



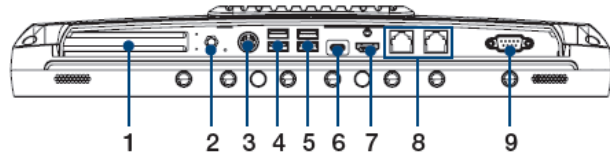
Flexible Design

Standard I/O Configuration

POC-615

I/O Ports

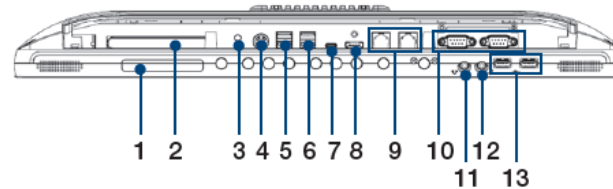
Rear



1. PCIe(x4) slot
2. Equipotential Terminal Pin
3. DC In
4. 2 x USB 3.1 Ports
5. 2 x USB2.0 Ports
6. 1 x USB 3.1 Type C
7. HDMI
8. 2 x Gigabit Ethernet
9. iDoor module: 1xCOM (RS232)

POC-621

I/O Ports

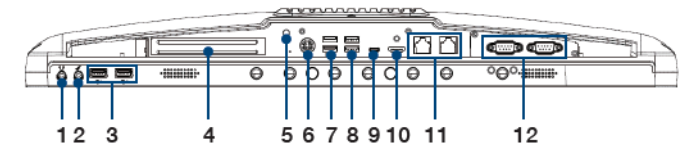


1. RFID or Smart Card Reader (Optional)*
2. PCIe(x4) slot
3. Equipotential Terminal Pin
4. DC In
5. 2 x USB 3.1 Ports
6. 2 x USB 2.0 Ports
7. 1 x USB 3.1 Type C
8. HDMI
9. 2 x Gigabit Ethernet
10. iDoor module: 2xCOM (RS232)
11. Headphone Out
12. MIC-in
13. 2 x USB2.0 Ports

POC-624

I/O Ports

Rear



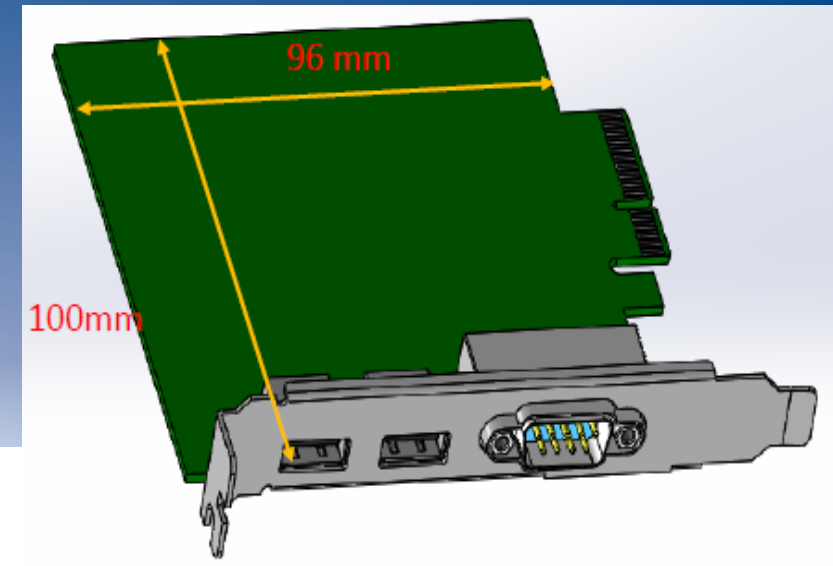
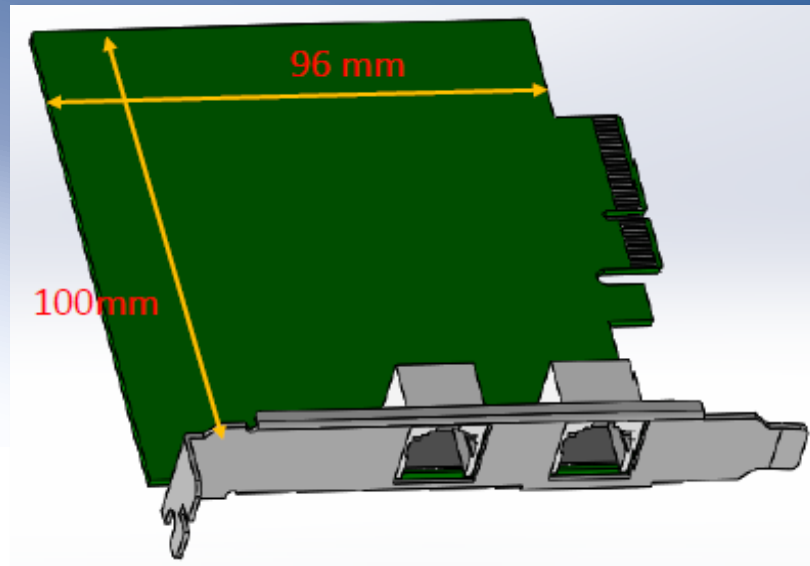
1. Headphone Out
2. MIC In
3. 2 x USB 2.0
4. PCIe(x4) slot
5. Equipotential Terminal Pin
6. DC In
7. 2 x USB3.1 Ports
8. 2 x USB2.0 Ports
9. 1 x USB 3.1 Type C
10. HDMI
11. 2 x Gigabit Ethernet
12. iDoor module: 2 x COM (RS232)

Flexible Design

Optional 4KV Isolation PCIe x4 I/O Cards

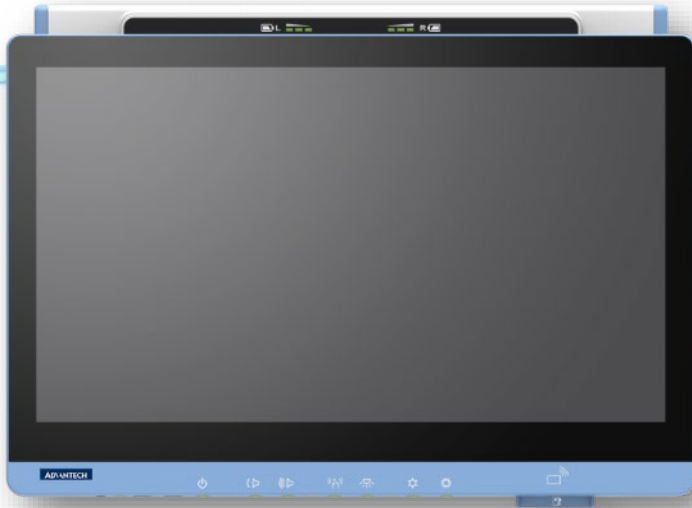
4KV Isolation PCIe x4 Cards

Type	Ports	Spec
LAN	2	10/100/1000
COM + USB	1 + 2	RS232/422/485, 3.1



Value-Add Modules for Option (21" and 24")

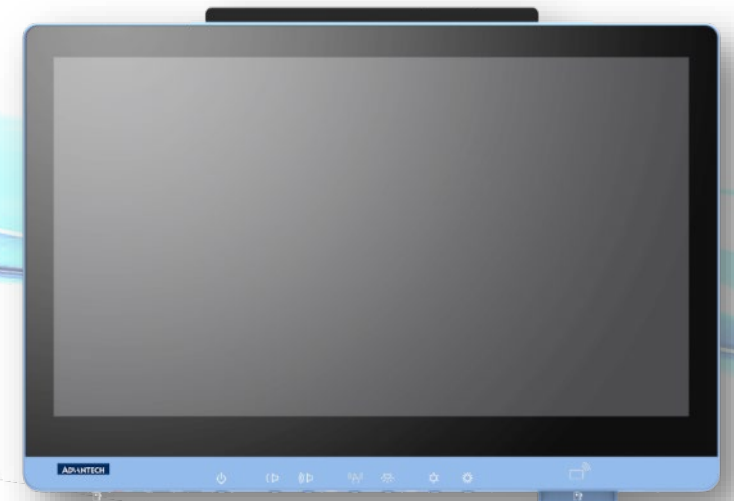
Battery, Camera, and Gesture Sensor



Battery Module



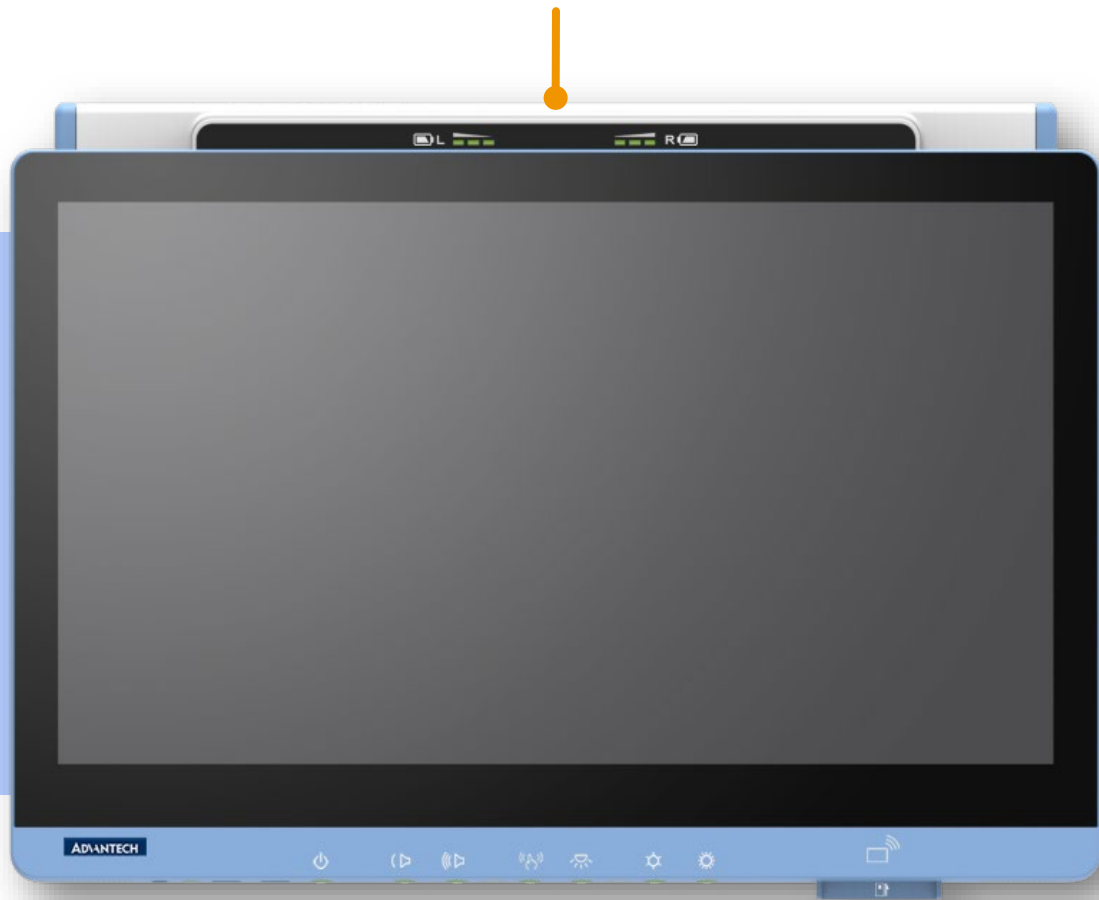
Camera Module



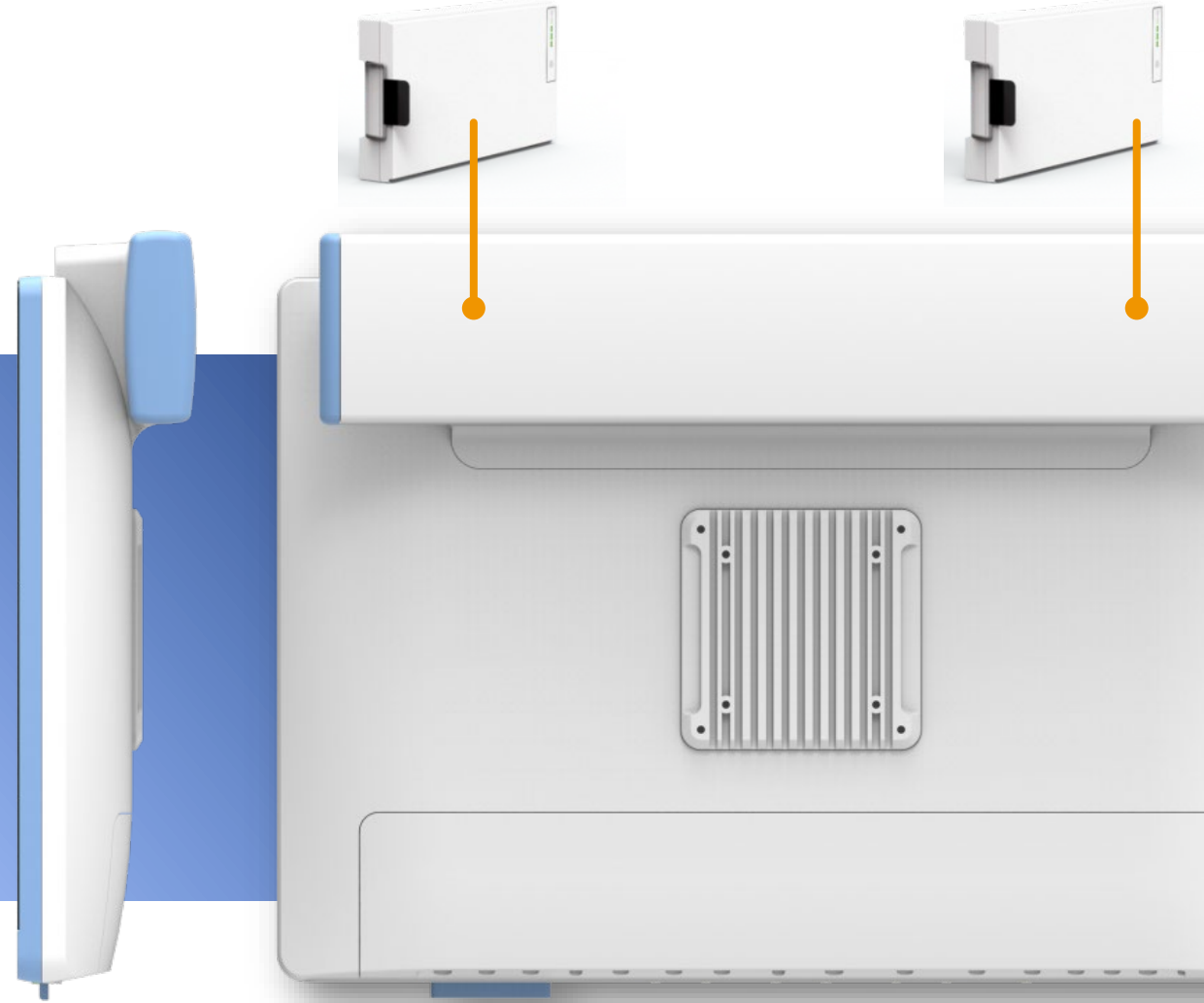
Gesture Sensor

POC-621 + Hot Swappable Battery Module

Battery Capacity LED Indicator



2 Battery packs inside for hot swapping



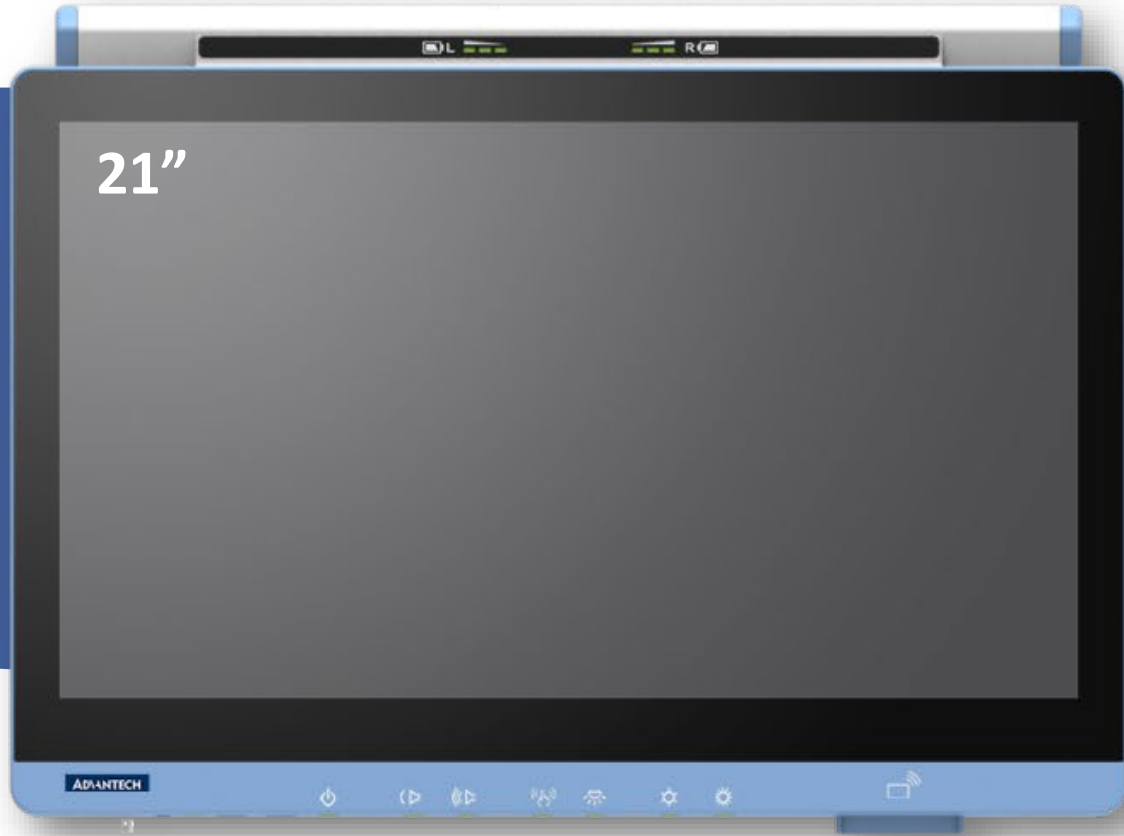
POC-621 + Hot Swappable Battery Module



Open cover then insert battery pack from both L and R side



POC-621/POC-624 + Hot Swappable Battery Module



POC-IPSM90 Battery Pack and Charging Station



POC-621 + Gesture Sensor Module

Gesture Sensor Control Module



POC-621 + Camera and Sound Bar Module

Camera and Sound Bar Module



Extension Cover



POC-621

POC-624

Same module for
both 21" and 24" POC

Co-Creating the Future of the IoT World

Contact:

Advantech Service-IoT GmbH

Phone: +31 76 523 3100

Email: iService@advantech.eu

