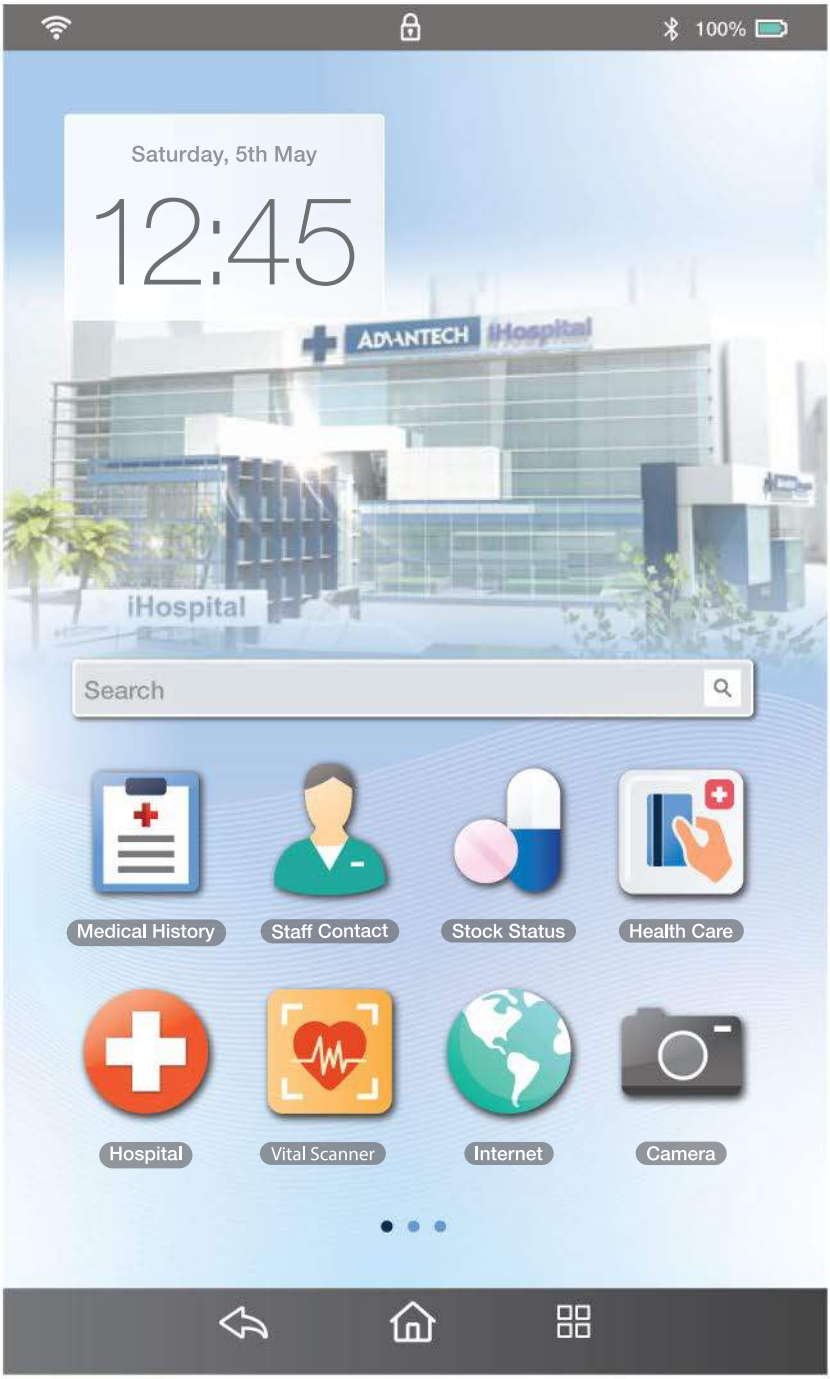
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AIM Tablet Introduction

Advantech's AIM-55 is a medical-grade tablet that features a stylish appearance and advanced computing technologies to provide a superior device for mobile computing in healthcare environments. Designed to streamline hospital workflows and improve patient care, AIM-55 also integrates value-added solutions that support maintenance of the "five rights" of medication administration - right patient, right time, right medication, right dosage, and right route.

The system's unique expandible design and flexible hardware/software configuration has garnered support from clinicians and nursing staff worldwide. AIM-55 functionalities can be easily expanded with the addition of diverse extension modules, such as a barcode scanner, magnetic stripe reader, smart card reader, and RJ45 connector, according to specific application requirements.

Features

Antibacterial Material

The tablet features plastic material containing silver ions (Ag+) to prevent bacterial growth.

Long Battery Runtime

The battery supports up to 6 hours of operation under heavy CPU load.

Purpose-Built Solution

Aimed at medical applications, AIM-55 features front and rear cameras, accepts both touch and stylus input, and supports Wi-Fi, NFC, and Bluetooth connectivity.

Dual OS Support

The system supports both Windows 10 IoT Enterprise and Android 6.0 operating systems.

Certified Medical Quality

With EN/IEC 60601-1 certification, AIM-55 meets medical standards for safe operation.

Durable, Reliable Design

IP65-compliant enclosure tolerates repeated sanitization for superior infection control. Rugged system design can withstand 4-foot drops.

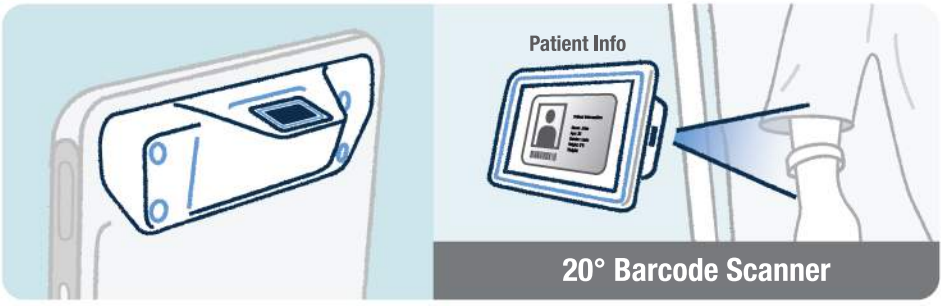
Function

Speaker mesh
Front camera
HDMI card port
Power button
Volume up/down
Audio jack
Power LED
Light sensor
Touch panel
Front bezel

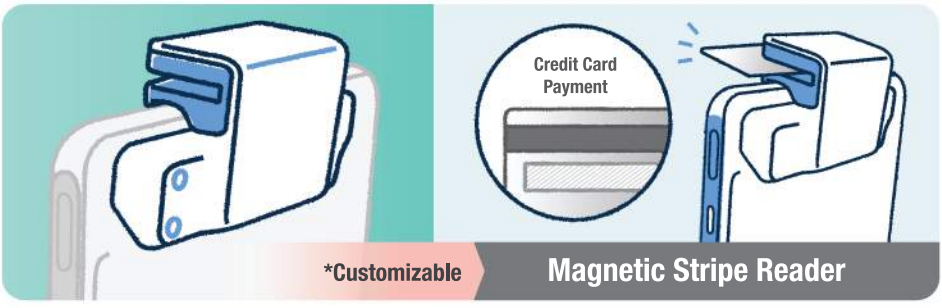
SIM/SD card port
Trigger key
Pogo pin
Micro USB port
Add-on module sockets
Camera lens and ring
NFC
Rear cover

AIM Tablet Extension Modules

70° Barcode Scanner

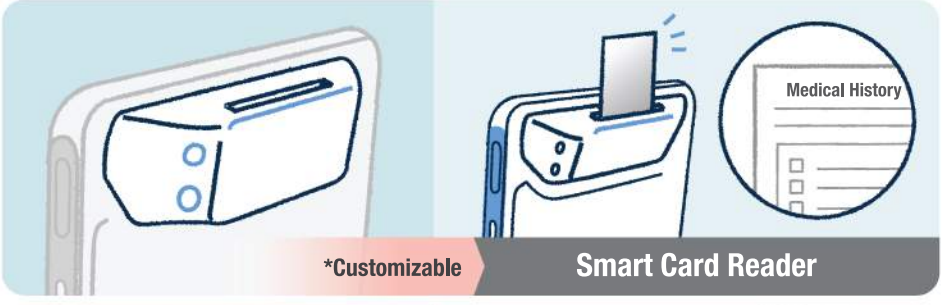


20° Barcode Scanner



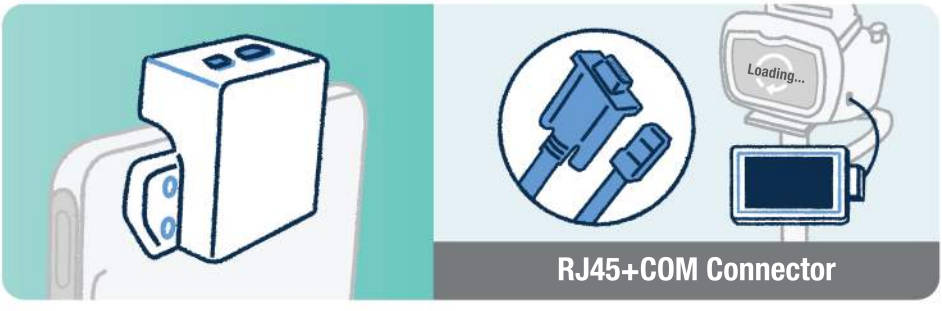
*Customizable

Magnetic Stripe Reader



*Customizable

Smart Card Reader



RJ45+COM Connector

Accessories

Docking station with stand

Multi tablet charging station

Hand strap

Shoulder strap

Stylus

1

Docking Station with Stand

Features additional I/O for expanded functionality and easy operation

2

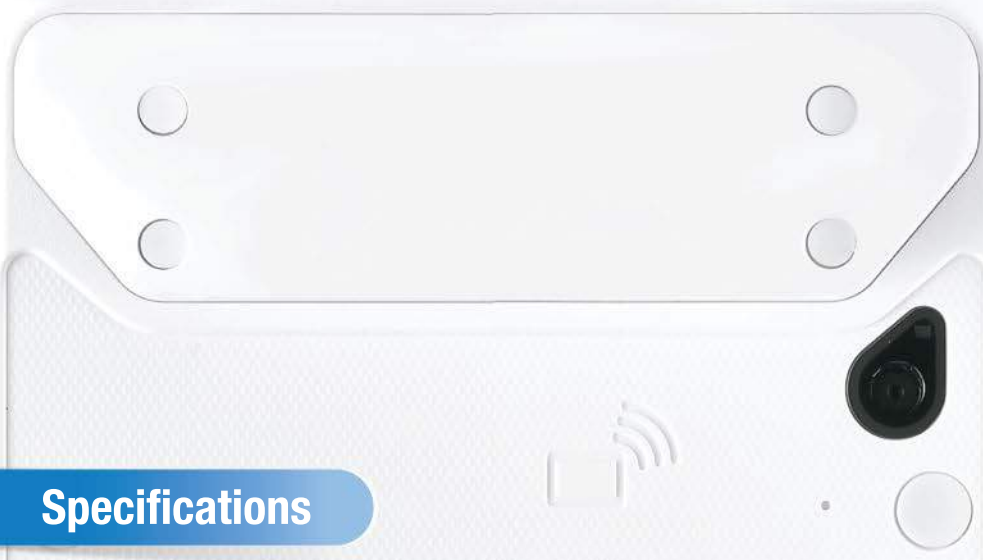
Hand Strap

Adjustable hand strap eliminates hand fatigue and rotates to accommodate portrait or landscape viewing

3

Shoulder Strap

Ensures convenient and comfortable portability for one-handed operations over long-duration shifts



Specifications

AIM-55	
CPU	Intel CHT T3 Z8350
RAM	2GB / 4GB
Display Size	8 inch TFT IPS Panel
Resolution	1920 x 1200, 400 nits
OS	Windows 10 IoT / Android 6.0
Storage (ROM)	eMMC 32GB / eMMC 64GB
Camera	Front 2M / Back 5M
WLAN	802.11 b/g/n, BT4.0
WWAN / LTE	WWAN (LTE) + AGPS (GPS/GLONASS) Supported Bands: North America, EU
NFC	ISO/IEC14443 A & B, Felica, MIFARE and NFCIP-1 & 2
Battery	Detachable Battery with Battery meter. Hard Pack, 1S2P: 3.8V 4900mAh (18.62Wh)
Power Input	Micro USB 5V/3A / Docking pogo 9V/2A
Certification	CE/FCC & RF (R&TT, PTCRB/FCC ID) UL/CB/LVD/CCC, IEC 60601-1
Optional Add-on Module (Reference only, not finalized)	1. Barcode scanner 20 degree 2. Barcode scanner 70 degree 3. LAN COM (Optional) 4. MSR (Optional) 5. Hand strap 6. Shoulder strap 7. EETi stylus (Touch pen)
Optional Docking/Cradle (Reference only, not finalized)	1. VESA Docking 2. VESA Docking stand 3. Multi tablet charging station 4. Multi battery charging station

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