醫療電腦 > 醫療觸控平板電腦 > IASO Series

IASO-W10B-N6210

10.1吋醫療觸控電腦，搭載 Intel® Celeron® N6210 處理器

Features

» Intel® Celeron® Processor N6210

» 可程式編程兩側 LED 燈展示效果

» 全貼合十點投射式電容觸控(PCAP)面板

» IEEE 802.3 PoE (選配)

» RFID (NFC) reader (選配)

Specifications

Form factor	
Form factor	» Intel® Celeron® Processor N6210
	» 可程式編程兩側 LED 燈展示效果
	» 全貼合十點投射式電容觸控(PCAP)面板
	» IEEE 802.3 PoE (選配)
	» RFID (NFC) reader (選配)
系統	
冷卻方式/系統風扇	Fanless
I/O Interface	
I/O Interface	1 x
	1 x
	2 x (5Gb/s)
	1 x (jack (TRRS))
	1 x (2.5GbE supporting PoE (with 1.5kV isolation))
	1 x
	1 x (output)
輸出/入介面	
Audio	AMP 1W + 1W (internal speaker)
Power	
Power adapter	65W medical grade power adapter
Environment	
Operating Temperature	-20°C – 40°C
Operating Vibration	1G
Operating Shock	Operating shock: 5G peak acceleration (11ms duration)
	Non-operating shock: 15G peak acceleration (11ms duration)
Safety & EMC	CE, FCC Class B Part18
	EN 60601-1: 2006/A1:2013 (Edition 3.1)
	EN 60601-1-2: 2015 (Edition 4.0)
Humidity	10% – 95% (non-condensing)
Storage Temperature	-20°C – 60°C
IP Level	Front: IP65
Physical Characteristics	
Mounting	Wall, Stand and Arm; VESA 75 compliant

Dimensions (LxWxH) (mm)	261 x 196.4 x 40
Net Weight	1.49 kg
Construction	Rear cover: ABS+PC plastic (ENH2900)
Construction Front Panel	Front: PC
LCD	
Size	10.1" (16:10)
Resolution	1280 x 800
Brightness (cd/m2)	400
Contrast Ratio	800:1
LCD Color	16.7M (RGB 6-bit + Hi-FRC)
Pixel Pitch (mm)	0.1695 x 0.1695
Viewing Angle (H-V)	178˚/178˚
Backlight MTBF	30,000 (LED backlight)
Touch	
Touch Screen	Projected capacitive type with 10-point multi-touch and optical bonding
Touch Controller	EETI
其他特點	
Audio	AMP 1W + 1W (internal speaker)
LED Light Bar	2 x LED light bar
Microphone	1 x Digital microphone
輸出/入介面	
Ethernet	1 x Intel® I225 Ethernet Controller
Communication	
Wi-Fi	Intel® Wi-Fi 6E AX210, IEEE 802.11a/b/g/n/ac/ax, MIMO 2x2
Bluetooth	Bluetooth® 5.3
系統	
SSD	1 x M.2 2242 M key (PCIe/SATA signal)
CPU	Intel® Celeron® N6210 (Elkhart Lake, 6.5W TDP)
輸出/入介面	
RAM	1 x DDR4 SO-DIMM slot
Power	
Input	12V DC jack
	Class 5 (IEEE802.3bt) PD device w/ full loading taken on I/O

Ordering Information

IASO-W10B-N6210/4G-R10	10.1" 400cd/m² medical panel PC with Intel® Elkhart Lake TDP 6.5W Celeron® N6210, one 4GB DDR4 RAM,Wi-Fi 6E module, PCAP touchscreen
IASO-W10B-N6210/4G/PoE-R10	10.1" 400cd/m² medical panel PC with Intel® Elkhart Lake TDP 6.5W Celeron® N6210, one 4GB DDR4 RAM,Wi-Fi 6E module, PCAP touchscreen, IEEE802.3 PoE

Packing List

1 x Power Adapter	1 x Power Cord

Intel® Celeron® N6210 (Elkhart Lake, 6.5W TDP)

CPU TDP 6.5W

Either lower power consumption at the same performance, or higher performance at equal TDP

Integrated gigabit Ethernet (2.5GbE)

Hard real-time—even via standard Ethernet

Up to a 1.7x improvement in single-thread performance

Processor performance boost

Up to a 1.5x improvement in multi-thread performance generation over generation

Processor performance boost

Up to 2x performance improvement in graphics over previous generation

Doubling graphics speed for immersive experiences

Programmable LED Light Bars on Both Sides

1. LED light bars on both sides
Bright and simple outlook with programmable LED lights on both sides. The colorful light and display can be adjusted according to use conditions.

2. Usage scenarios
It can be used to detect the status light signal, or to warn the ward aisle.

3. Programmable LEDs
Each light bar has 10 programmable RGB LEDs with IEC62471 certification.

4. Translucent front frame
The front frame is made of translucent material to make the frame light and thin.

## Color Codes for Safety Signs

- IEC60601-1-8:General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems.

- ANSI Z535.1-2017:A standard that describes the color codes that can be used on accident prevention signs, labels, and tags. This also includes the marking and location of first aid equipment, fire extinguishers, trip/slip hazards, and other potential hazards or safety equipment.

|		IEC60601-1-8	ANSI Z535.1-2017
Red	Flashing	High priority alarm condition:Immediate action to prevent injury.	Fire protection equipment and apparatus,danger signs, containers of flammable liquids,lights at barricades, stop button/switches. (PMS 186)
	Not flashing	Warning:Avoidance of a HAZARDOUS SITUATION which could cause death or serious injury	
Yellow	Flashing	Medium priority alarm condition:Prompt action to prevent injury.	Specific physical hazards(including falling, tripping and striking) and designating caution(including cabinets, cans and containers for explosives,corrosives or unstable materials).(PMS 109)
	Not flashing	Caution:Avoidance of a HAZARDOUS SITUATION which could cause minor or moderate injury or equipment damage.	
Green		Ready for use	Safety information and first aid or safety equipment.(PMS 335)
Orange		The significance of these colors may be defined by the end-user.	Signs and equipment designating dangerous or energized machines/equipment.(PMS 151)
Blue		The significance of these colors may be defined by the end-user.	Information not immediately safety-related(i.e. property policies including safety gear requirements).(PMS 285)
Purple		The significance of these colors may be defined by the end-user.	The significance of purple may be defined by the end-user, but purple(or the combination of purple and yellow) has become the de facto standard for radiation hazards.(PMS 259)
Gray Black White or any combo of these and/ or Yellow		The significance of these colors may be defined by the end-user.	The significance of these colors may be defined by the end-user.

RFID Reader (optional)

An RFID dual-band card is capable of reading both 125 kHz and 13.56 MHz credentials.

Hidden RFID Reader
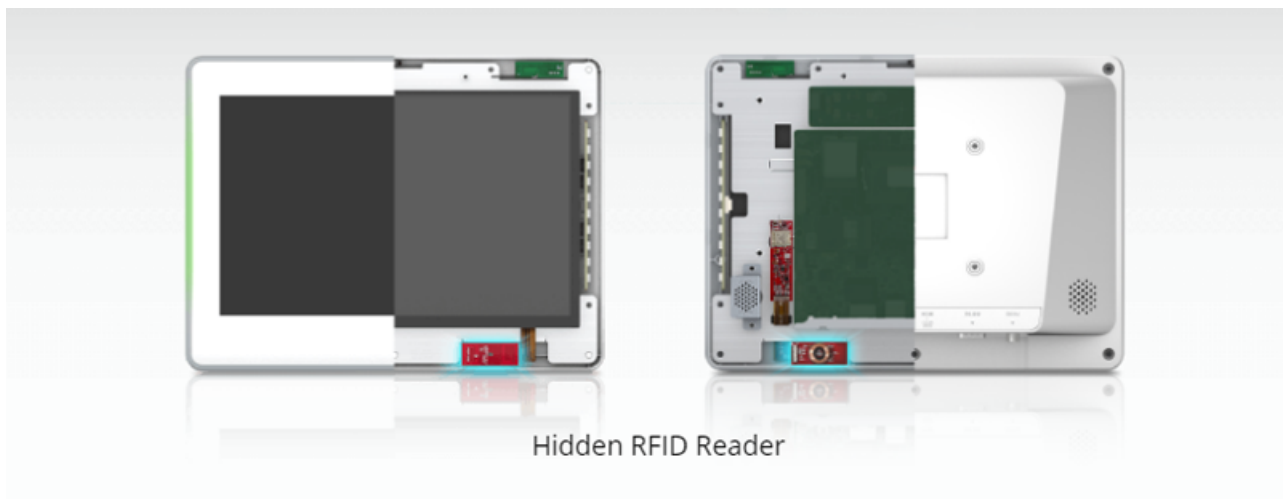
	Frequency	Range	Cost	Memory	Penetration of Materials	Data Rate	Reader Cost	Read Multiple Tags	Applications
LF	125 - 134.2 KHz	0.2 - 2m	Typ. 3GBP	Typ. 64 bits	V. Good	Slow	50 - 500 GBP	Poor	Animal Tags. Vehicle Immobilisers. Industrial Applications
HF	13.56 MHz	Up to 1m	Typ. 0.50GBP	Typ. 2048 bits	Good	Fast	50 - 3000 GBP	Good	Item Tracking. Access Control. Smart Labels

10-Point Touch Screen with Optical Bonding

10-Point touch screen with 6H surface scratch resistance supports control with multiple layers of surgical gloves. Optical bonding can dramatically reduce the internal reflections, help improve the brightness and contrast ratio of the display, enhance system ruggedness, and strengthen shock and vibration resistance.

Touch Panel (or Cover Glass)

Optical attachment sheet

LCD Panel
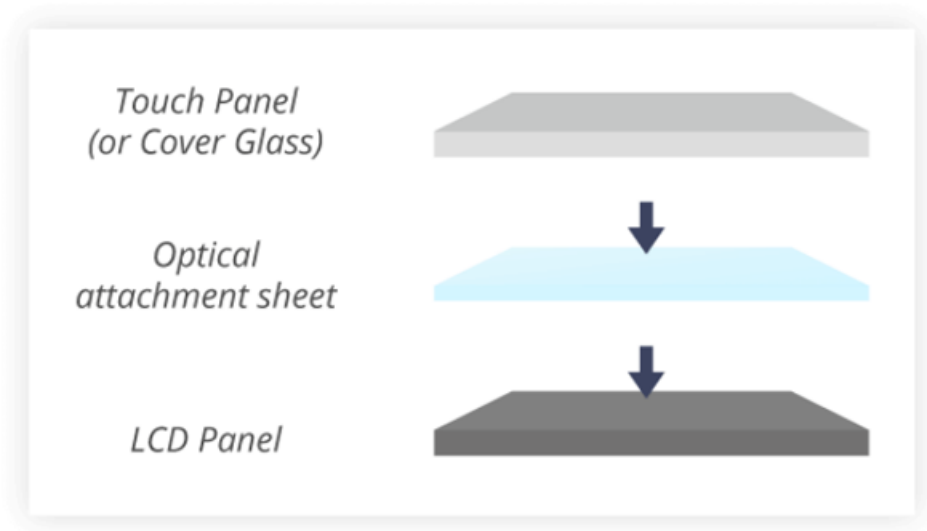
LCD Humid & Dust ProtectionPanel
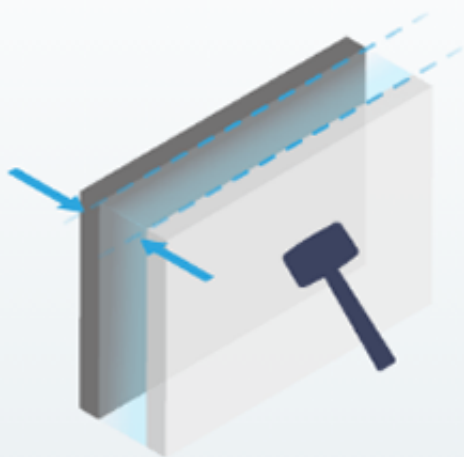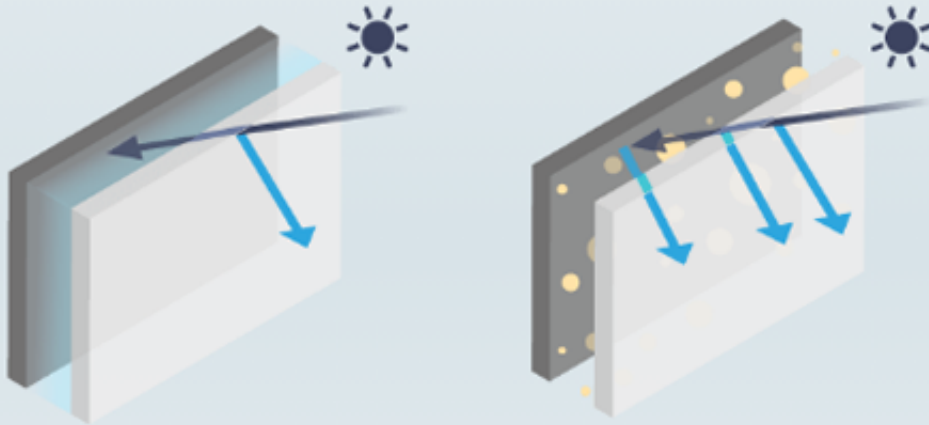
Anti-UV

Medical glove touch

Reduced Weight

Better Visibility

Enhanced Durability

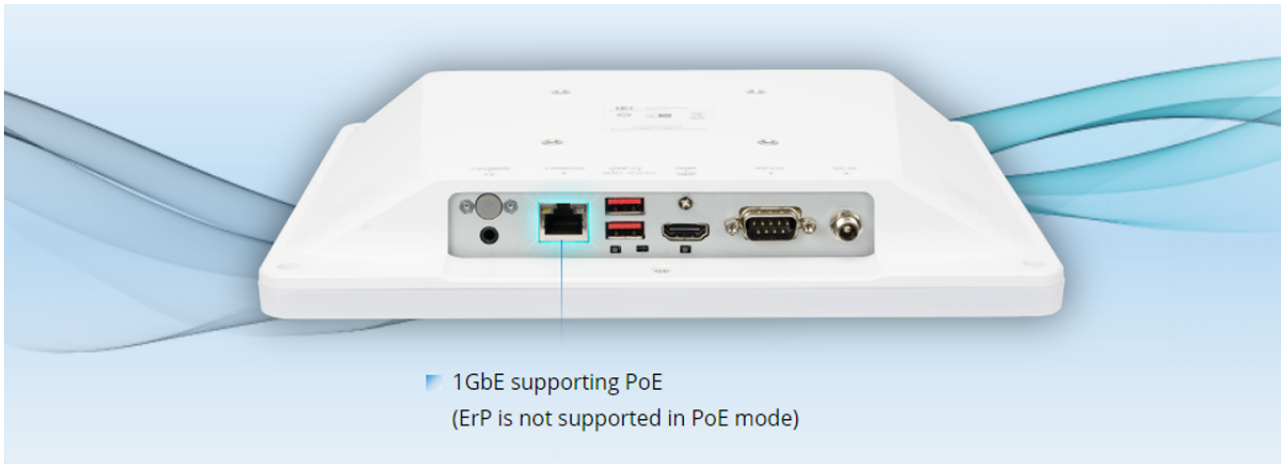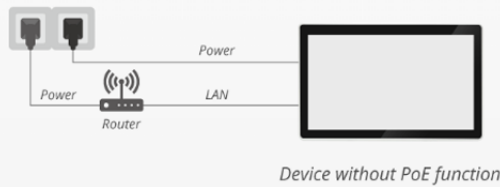## Optical Bonding

Precise Touch Control

Touch Deviation

Cover Glass
Optical Bonding
LCD Panel

Cover Glass
Air Gap
LCD Panel
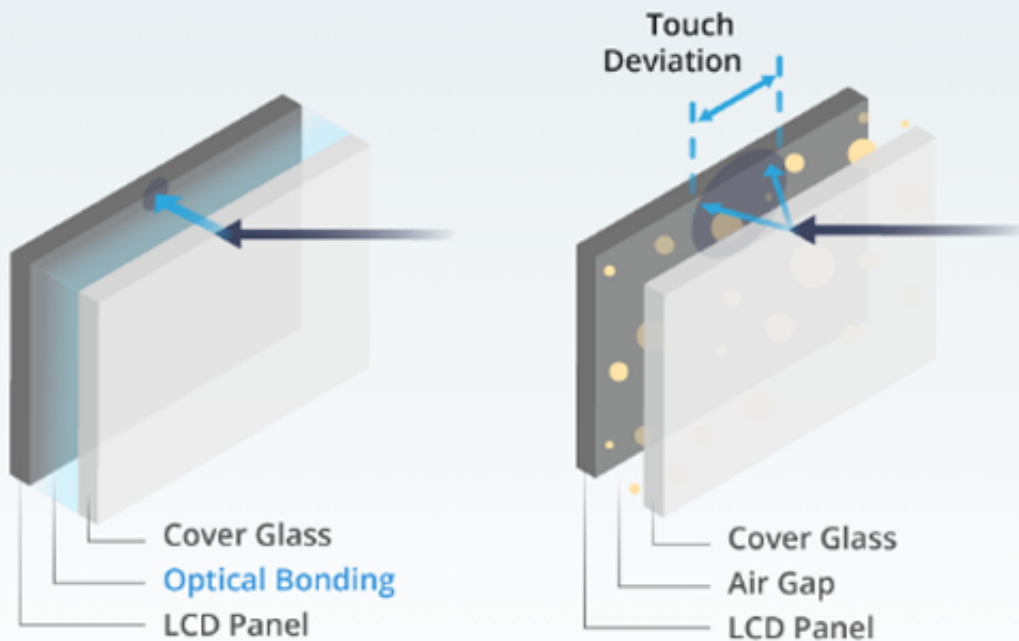
Power over Ethernet (optional)

Providing efficient power with less cabling for best performance.

■ 1GbE supporting PoE
(ErP is not supported in PoE mode)

Before

Device without PoE: mess cabling, not easy to clean and manage.

Power
Power   LAN
Router

Device without PoE function

After

Device with PoE: provides both data and power over a single Ethernet cable.

LAN

PoE Network Switch

PD, Powered Device
IASO-W10B-N6210
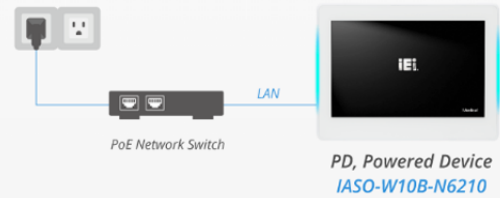
■ IASO-W10B-N6210 compliant
with IEEE802.3at Class 4 & IEEE 802.3bt Class 5

Class	PSE Output(W)	PD Input(W)	PoE Type	Standard
0	15.4	12.95	1	IEEE 802.3af
1	4	3.84	1	
2	7	6.49	1	
3	15.4	12.95	1	
4	30	25.5	2	IEEE 802.3at
5	45	40	3	IEEE 802.3bt
6	60	51	3	IEEE 802.3bt
7	75	62	4	
8	90	73	4	IEEE 802.3bt

AI Audio Analytics Workflow

IASO-W10B-N6210 provides fully deep learning-based, top-quality AI audio analytics. Real-time detect emergencies in the hospital lounge/ward, including under-staffed areas, restricted areas and surveillance blind spots. Notify staffs to enable faster response and reduce rescue time.
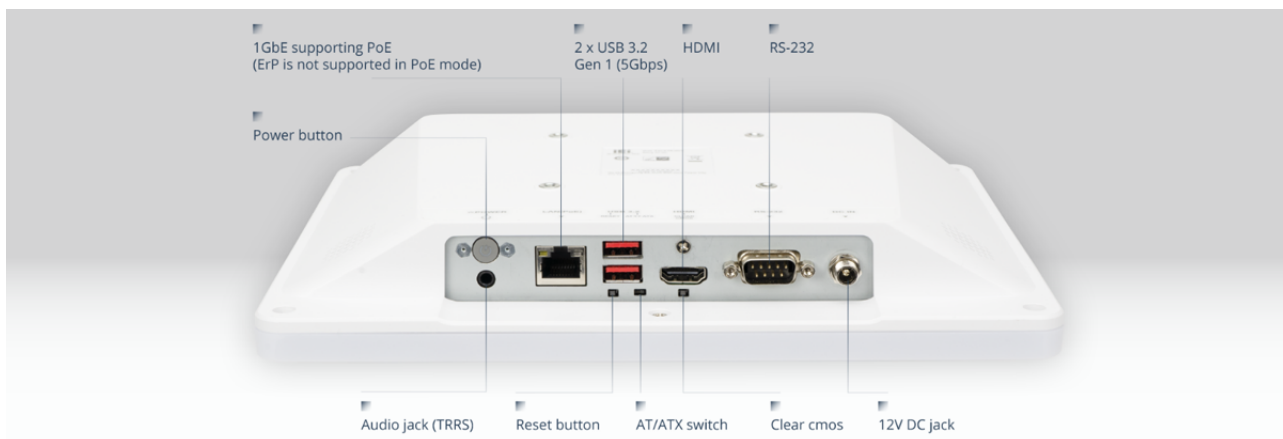
Audio detection

In-Wall Mounting

» Easy maintenance – just removing five screws for disassembly.
» IASO-W10B-N6210 can be embedded in or on the wall.

* NOTE: To avoid damage, do not install the IASO-W10B-N6210 in a fully sealed space.

I/O Interface

1GbE supporting PoE
(ErP is not supported in PoE mode)

Power button

2 x USB 3.2 Gen 1 (5Gbps)   HDMI   RS-232

Audio jack (TRRS)   Reset button   AT/ATX switch   Clear cmos   12V DC jack

Dimensions