

Data Acquisition Terminal

IASO-W10B-IMX8M-R10

10.1" panel PC with NXP
i.MX 8M Mini Processor

Features

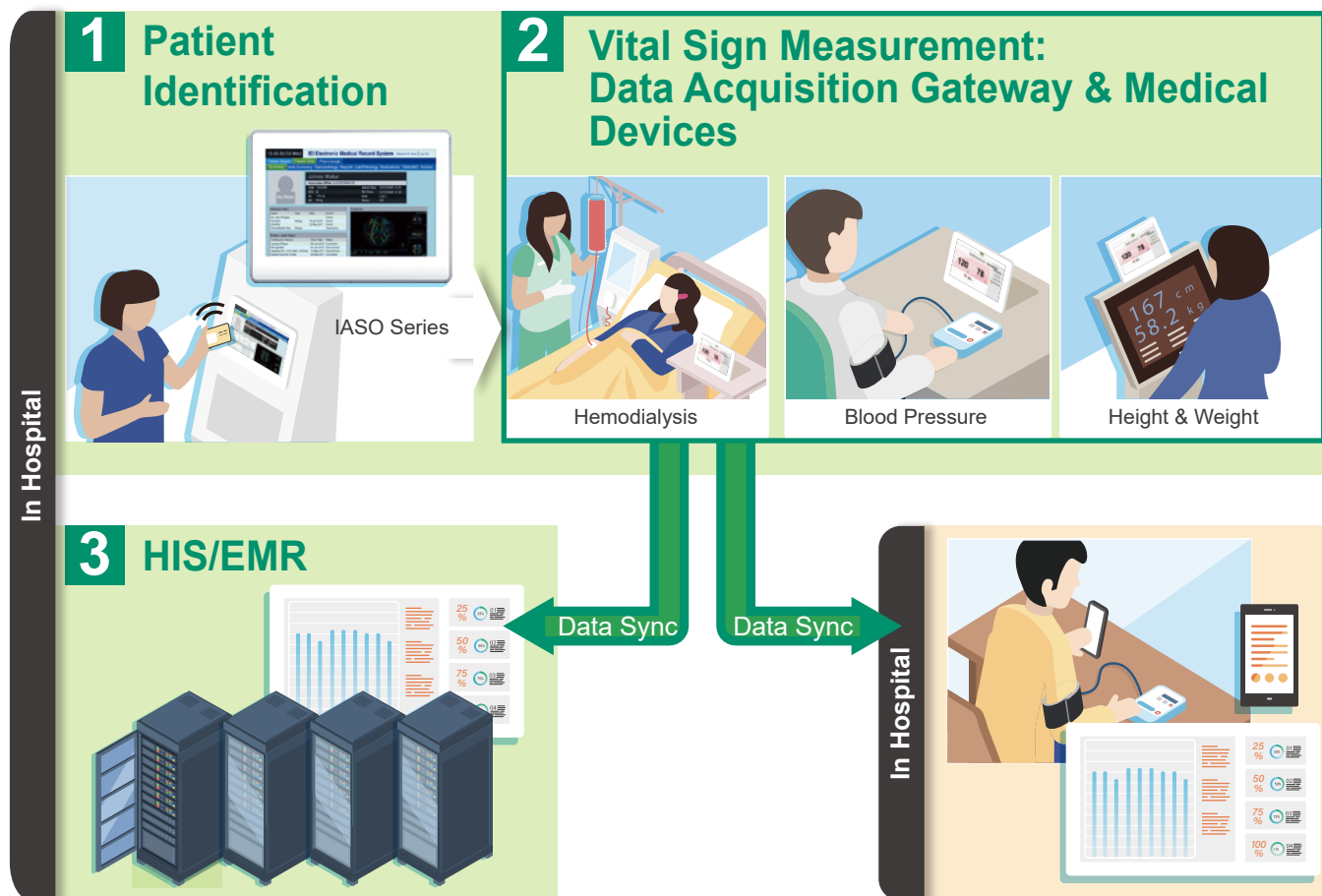
- NXP i.MX 8M Mini Quad-core Cortex-A53 1.8 GHz
- Programmable LED light bar on both side
- 10-point PCAP touch with optical bonding
- IEEE 802.3 PoE (optional)
- RFID (NFC) reader (optional)



NEW

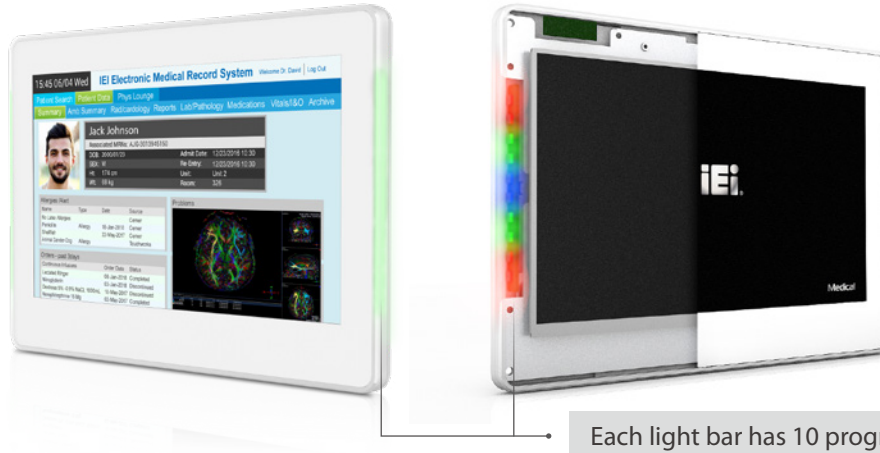
Medical Data Acquisition

IEI helps to combine the data obtained at home with the medical records at the hospital so that medical personnels can observe the patient's measurement information thoroughly. The data can also be digitalized to effectively help data integration and tracking. In addition to synchronizing with the data in the hospital, if the patient is hospitalized, the data can also be saved in the system. These data can be kept intact and effectively used as an evaluation basis for diagnosis and treatment.



» LED Light Bars on Both Sides

Bright and simple outlook with programmable LED lights on both sides. Each light bar has 10 programmable RGB LEDs with IEC62471 certification. The colorful light and display can be adjusted according to use conditions. It can be used to detect the status light signal, or to warn the ward aisle. The front frame is made of translucent material to make the frame light and thin.



Each light bar has 10 programmable RGB LEDs

» 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. |

» Usage Scenarios



Patient Card



Patient Card



Medical Data Acquisition

Specifications

| Model | | IASO-W10B-IMX8M-R10 | |
|------------------|---------------------------------|--|--|
| Display | Display Size | 10.1" | |
| | Resolution | 1280 x 800 | |
| | Brightness (cd/m ²) | 400 | |
| | Contrast Ratio | 800:1 | |
| | LCD Color | 16.7M (RGB 6-bit + Hi-FRC) | |
| | Pixel Pitch | 0.1695 x 0.1695 mm | |
| | Viewing Angle (H/V) | 178°/178° | |
| | Backlight MTBF (hrs) | 30,000 (LED backlight) | |
| Touch | Touchscreen | Projected capacitive type with 10-point multi-touch with optical bonding | |
| | Touch Controller | EETI | |
| | Surface Hardness | 6H | |
| Processor | Processor | NXP i.MX 8M Mini (Quad-core Cortex-A53 up to 1.8 GHz) | |
| LAN | LAN Controller | Motorcomm YT8521 | |
| Storage | Storage | on board 32GB eMMC NAND FLASH, up to 128GB | |
| | RAM | on board 4GB LPDDR4X, up to 8GB | |
| Audio | Audio | AMP 0.5W | |
| Speaker | Speaker | 2 x 0.5W (internal speaker) | |
| Microphone | Microphone | 1 x Digital microphone | |
| Wireless | Wi-Fi | Optional | |
| I/O | Rear I/O | 1 x Reset button 1 x Power button 1 x 12V DC jack 1 x RS-232 | 1 x Audio jack (TRRS) 1 x GbE LAN optional supporting PoE 2 x USB 2.0 Type A |
| LED Indicator | LED Indicator | 2 x LED light bar | |
| Physical | Color | White | |
| | Thermal | Fanless | |
| | Construction Material | Front: PC Rear cover: PC/ABS plastic | |
| | Mounting | Wall, Stand and Arm; VESA 75 | |
| | Weight (Net) (kg) | 1.49 kg | |
| | Weight (Gross) (kg) | 2.86 kg | |
| | Dimensions (LxWxH) (mm) | 261 x 196.4 x 40 | |
| Power | Input | 12V DC input | |
| | PoE | Class 4 (IEEE802.3 at) PD device w/o loading taken on I/O Class 5 (IEEE802.3 bt) PD device w/ full loading taken on I/O | |
| | Power Adapter | 65W medical grade power adapter | |
| Environment | Operating Temperature | 0°C – 40°C | |
| | Storage Temperature | -20°C – 60°C | |
| | Humidity | 10% – 95% (non-condensing) | |
| | Vibration | 1G | |
| | Operating shock | 5G peak acceleration (11ms duration) | |
| | Non-operating shock | 15G peak acceleration (11ms duration) | |
| | IP Level | Front: IP65 | |
| Operating System | Supported OS | Android 12 | |
| Certification | EMC & Safety | CE,FCC Class B Part 15B EN 55032 2015+A11:2020 EN 55035 2017+A11:2020 EN / IEC 62368-1 | |

Ordering Information

| Part No. | Description |
|---------------------------|---|
| IASO-W10B-IMX8M-R10 | 10.1" 400cd/m ² medical panel PC with NXP i.MX 8M Mini Cortex-A53 1.8 GHz, on board 4GB LPDDR4X,Wi-Fi 6 module, PCAP touchscreen,R10 |
| IASO-W10B-IMX8M/PoE-R10 * | 10.1" 400cd/m ² medical panel PC with NXP i.MX 8M Mini Cortex-A53 1.8 GHz, on board 4GB LPDDR4X,Wi-Fi 6 module, PCAP touchscreen, IEEE802.3 PoE, R10 |

* By order production

Options

| Item | Part No. | Description |
|------|--------------------------|---|
| RFID | 19XS0Z699-0006301-000-RS | RFID Module; System; Z699; IASO-W10B-N6210; STD.; RFID Module assy; VER: 00; 0; CCL; RoHS |

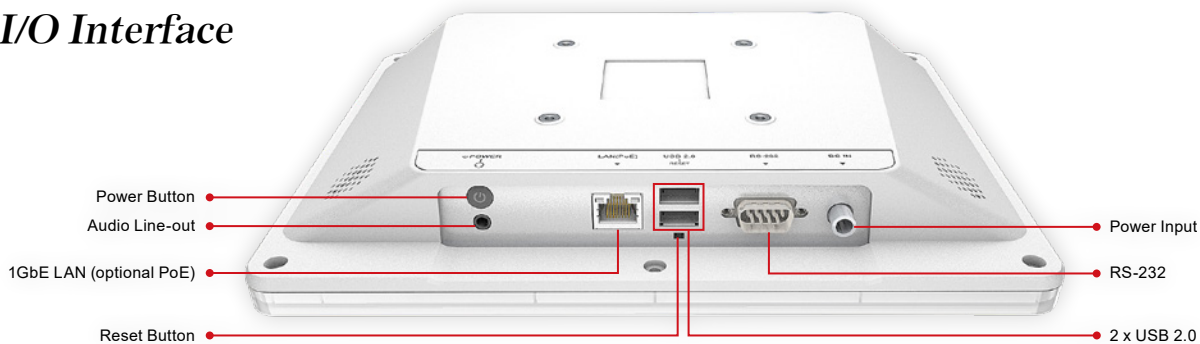
IQ Mounting Options

| Item | Part No. | Description |
|----------------------|------------|---|
| In-wall Mounting Kit | IASOWK-10B | In-wall mounting kit with lock for IASO-W10B-N6210, RoHS *In-wall mounting kit is not recommended for use in a fully sealed space. |

Packing List

| Item | Q'ty | Remark |
|---------------|------|----------------------------------|
| Power Adapter | 1 | 65W medical power adapter |
| Power Cord | 1 | European power cord, 183 cm, C13 |

I/O Interface



Dimensions (Unit: mm)

