iHealthcare

Intelligent Ward Management System for Hospitals

Transforming Nursing Care with Digital Wards

Solution Suite

iWard-71A.Suite
iWard-72A.Suite
iWard-73A.Suite

Nursing Dashboard

501B
Chris Dnna
Nusing Support
infusion change   fever check   emergency   others

Bedside Information Terminal

Chris Dnna

Mr.XXX   Room 511 A

Mobile Nursing Station

- Nursing Control Stations enable patient data to be integrated with HIS/NIS records and enhance nursing care.

- Bedside Information Terminals streamline workflows by optimizing hospital processes.

ADVANTECH
Enabling an Intelligent Planet

intel. partner
Titanium

Introduction Video

POWERED BY
ADVANTECH
WISE PaaS

Ordering Information

Basic Suite
iWard-71A.Suite

Nursing Dashboard

Nursing Control Sation

iWard Server

Interactive Suite
iWard-72A.Suite

Nursing Dashboard

Bedside Information Terminal

Nursing Control Sation

iWard Server

ePaper Suite
iWard-73A.Suite

Nursing Dashboard

Bedside ePaper Display

Nursing Control Sation

iWard Server
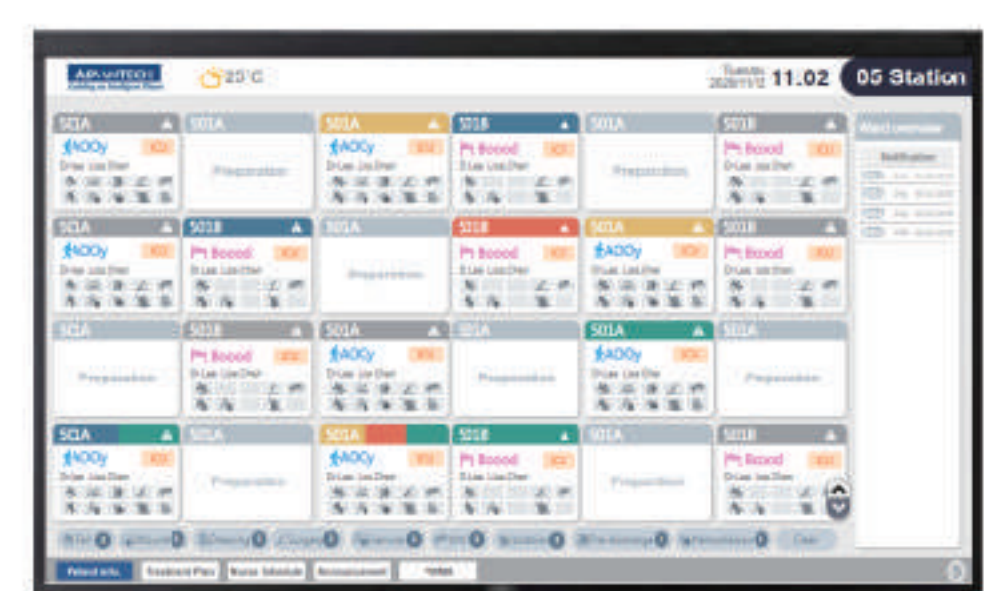
Nursing Dashboard

Nursing Dashboard	Part Number	Specifications	Medical grade	Size
DS-081	DS-081HWDW-S1E-C	DS-081, Intel® Celeron® 3965U, 4 GB RAM, 64 GB SSD, Windows 10, nursing dashboard client	N	X
DS-780	DS-780HWDW-S1E-C	DS-780 i7, 8 GB RAM, 500 GB HDD, Windows 10 IoT, iWard nursing dashboard client software	N	X

Mobile Nursing Station

Mobile Nursing Station	Part Number	Specifications	Medical grade	Size
AMIS-50E	AMIS-50EHWCW-S1E-C	AMIS-50E, Intel® Core™i5 7300U, 4GB RAM, 128 GB SSD, Windows 10 IoT, IPS battery(IPS-M420S) iWard control center client software	Y	X

Bedside Information Terminal

Bedside Information Terminal	Part Number	Specifications	Medical grade	Size
HIT-W512, RFID	HIT-W512HWBA-S1E-C	11.6" widescreen display, Intel® Celeron® J3455, PCAP touch, 4 GB RAM, 64 GB SSD, camera, RFID, Wi-Fi, Bluetooth, medical-grade adapter, Android 8.1, iWard BIT client software	N	11.6"
HIT-W512	HIT-W512HWBA-S2E-C	11.6" widescreen display, Intel® Celeron® J3455, PCAP touch, 4 GB RAM, 64 GB SSD, Wi-Fi, Bluetooth, medical-grade adapter, Android 8.1, iWard BIT client software	N	11.6"
HIT-W101, RFID	HIT-W101HWBA-S2E-C	10.1" TFT display (1280 x 800), PCAP multi-touch, ITE adapter, RFID, 2 GB RAM, Android 5.1, iWard BIT client software	Y	10.1"

Patient Information Terminal

Patient Information Terminal	Part Number	Specifications	Medical grade	Size
HIT-W183, RFID	HIT-W183HWPW-S1E-C	18.5" display, PCAP touch, 4 GB memory, 64 GB storage, camera, Wi-Fi, Bluetooth, RFID, smart card reader, Windows 10, iWard PIT client SW	Y	18.5"
HIT-W183, RFID, TV	HIT-W183HWPW-S2E-C	18.5" display, PCAP touch, 4 GB memory, 64 GB storage, camera, Wi-Fi, Bluetooth, RFID, smart card reader, digital TV, Windows 10, iWard PIT client SW	Y	18.5"
HIT-W153, RFID	HIT-W153HWPW-S1E-C	15.6" display, PCAP touch, 4 GB memory, 64 GB storage, camera, Wi-Fi, Bluetooth, RFID, smart card reader, Windows 10, iWard PIT client SW	Y	15.6"

Edge Cloud

Edge-Cloud Solution Suite

WISE-STACK Edge100
Hardware: SKY-7221, 10 cores, 64 GB memory, 16 TB HDD, 1 TB SSD
Software: WISE-PaaS/IoTSuite E100

**WISE-PaaS/IoTSuite**

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Application Story

Yuanlin Christian Hospital - A Benchmark for Intelligent Hospitals

Yuanlin Christian Hospital (YCH) is a new medical institution that is affiliated with the Changhua Christian Hospital and holds a significant place in the history of medicine in Taiwan. Specifically, YCH was the first hospital to realize intelligent patient services, medical procedures, and energy management. The hospital not only provides all the convenience and functionality of a modern healthcare facility, but also marks Taiwan's transition into an era of fully intelligent medicine.
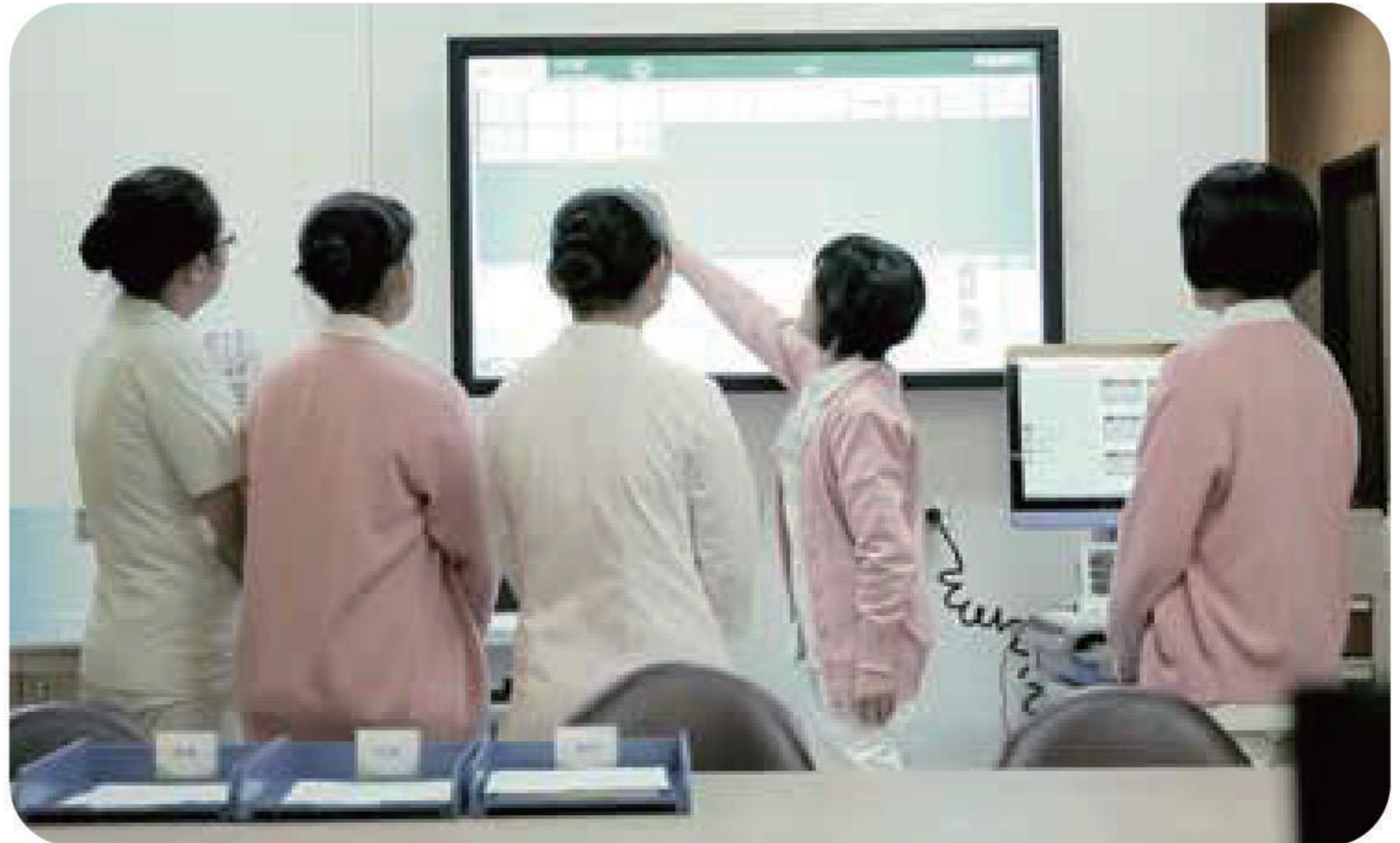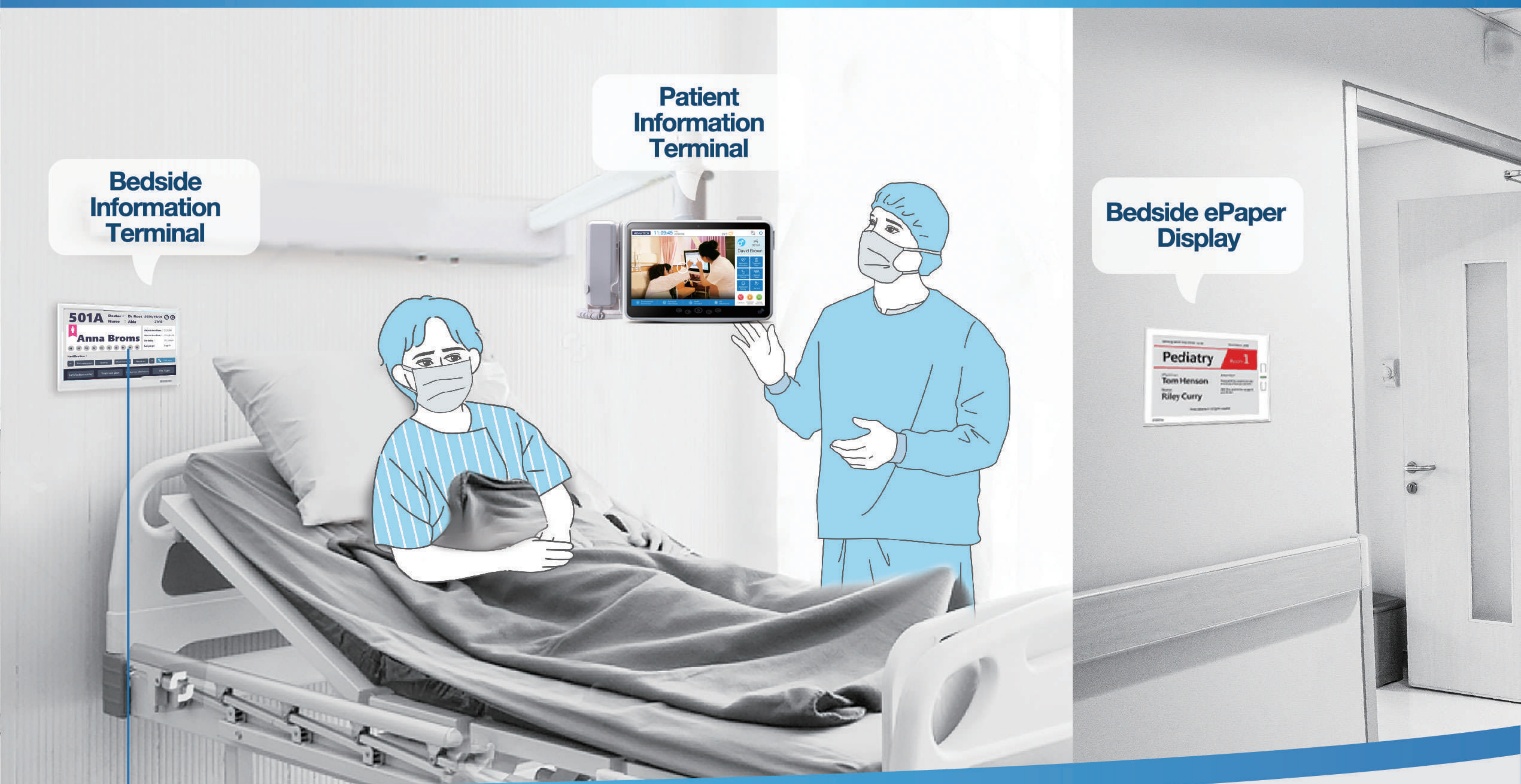
Intelligent ward bring patients and nurses closer together

Traditional wards typically feature nurse call buttons or phones for patients to communicate with nurses. However, these buttons/phones do not offer instant notifications, which can lead to long wait times and patient mistrust of nursing staff. By contrast, YCH wards have been fitted with bedside information terminals that feature touch-controlled nurse call buttons for contacting nurses with a single touch. The electronic messaging system then notifies all on-call nurses, regardless of their location, of the request for assistance via an instant message sent to their hand-helddevice(mobile phone or tablet PC).Patients wishing to order a meal or adjust their medication no longer have to make in-person requests at the nurses station.With a simple touch of their nurse call button, they can send a message to the nurses' station. The electronic messaging system also reduces the risk of errors or forgotten requests.

Intelligent Hospital Architecture

iWard Bedside

Bedside Information Terminal

Patient Information Terminal

Bedside ePaper Display

501A
Anna Broms

Pediatry

Ward/Bed Assignment Information

ADVANTECH 25°C Tuesday 2020/11/12 11:02 05 Station

501A 501A 501B 501A 501B Ward overview
Preparation Preparation Preparation Notification

501B 501A 501A 501B 501B
Preparation Preparation

501B 501A 501A 501A 501A
Preparation Preparation

501A 501A 501B
Preparation

1018-1 🚶 Mrs. Smith Surgery
DNR

Patient Info. Treatment Plan Nurse Schedule Announcement WMA

Nursing Shift Information

ADVANTECH 25°C Tuesday 2020/11/12 11:02 05 Station

Nurse Schedule

Sally Lucas A B C	Extinguishing	501A	501A	501A	501A	501A	Andrew D	Extinguishing
		501A	501A	501A	501A			501A 501A 501A 501A
Elisa E	Extinguishing	501A	501A	501A	501A	Dell D	Fire fighting	501A 501A 501A 501A
ChenNi A B C	Extinguishing	501A	501A	501A	501A	Hosa D	Fire fighting	501A 501A 501A 501A
		501A	501A	501A	501A			
David E	Refuge guide	501A	501A	501A	501A	Liya.Lo D	Fire fighting	501A 501A 501A 501A

Day Night Graveyard

Patient Info. Treatment Plan Nurse Schedule Announcement WMA

Patient Information

501A Doctor : Dr Root 2020/10/09
Nurse : Alda 21:18

Anna Broms

N N N N N N N N N N

Admission Num. : C124294
Admission Date : 2020/10/09
Birthday : 1992/08/01
Language : English

Notification :

Drip replacement Cleaning Wheelchair rental Wound care Call nurse

Satisfaction survey Treatment plan Medication Information Vital Signs

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Patient Requests

iLinkioMT 11:09:45 FRI 2016/07/06 25°C

David Brown

Wound Dressing Cleaning Ordering Meal
Out-of-Bed Assistance Assistive Device

DNR Allergy Isolation

Are you sure you want to send "drip replacement"?
Cancel Confirm

iWard Basic
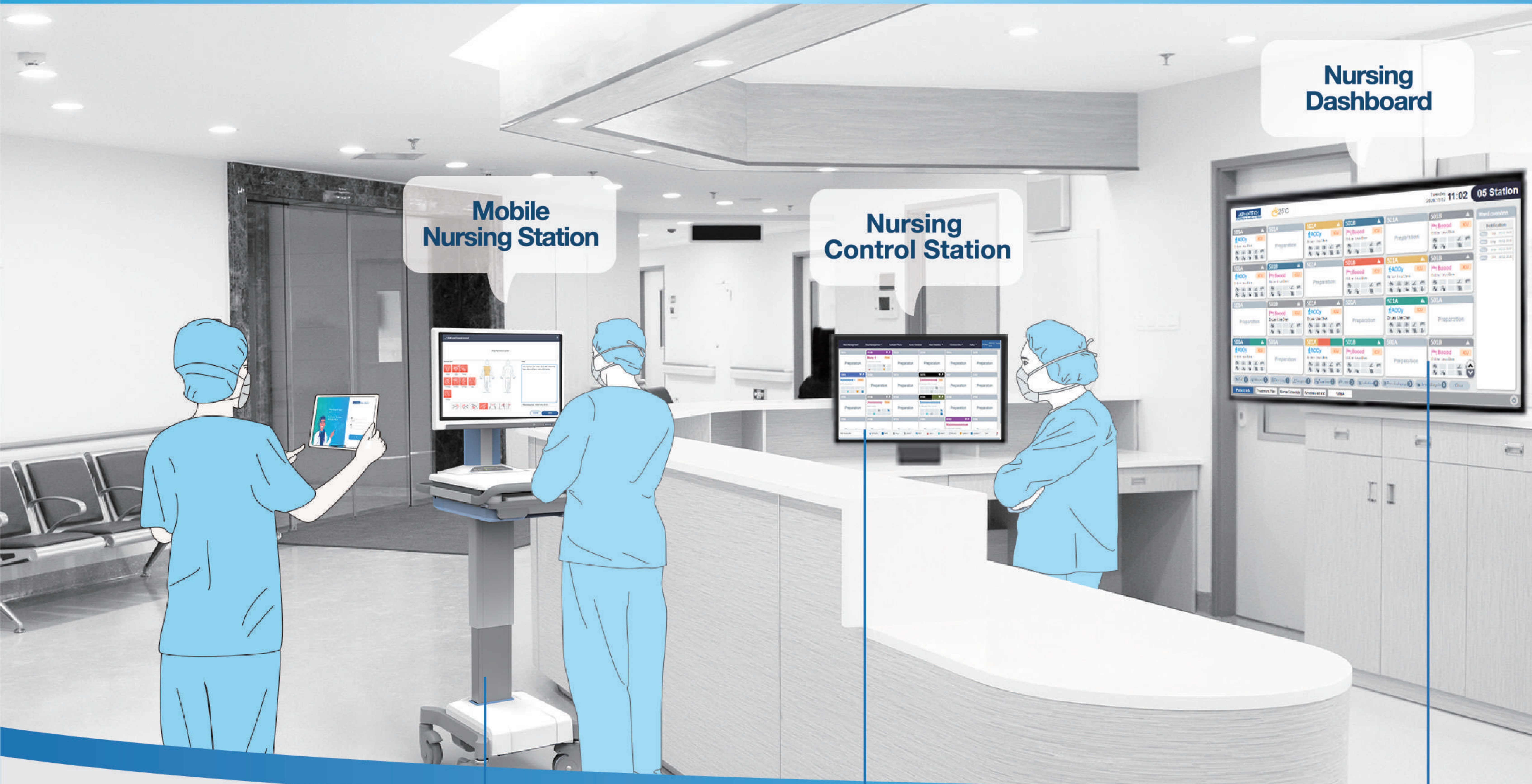
Mobile Nursing Station

Nursing Control Station

Nursing Dashboard

Ward Management

Admission Information Setting

Ward Rounds Record

User-Definable Parameters and Remarks

Introduction

Advantech's iWard solution is an innovative solution-ready package that supports cloud-based services, microservice architecture, statistical expansion, and AI applications and can be rapidly deployed to enable the realization of intelligent wards. Intelligent wards allow patient needs to be rapidly communicated to nursing staff, facilitating the delivery of quality nursing care that improves treatment outcomes and patient satisfaction.

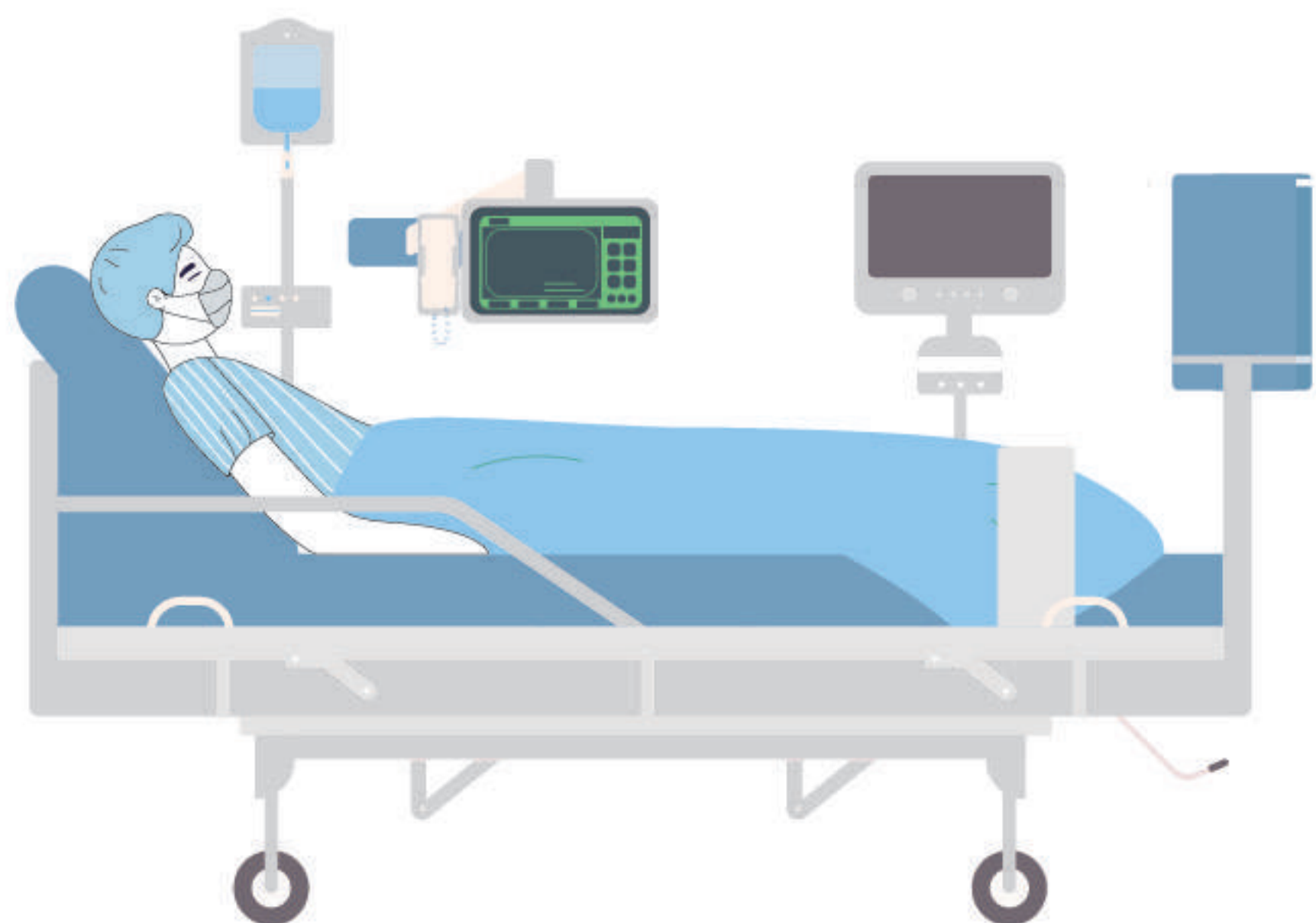## iWard Solution Features

Rapid installation

Scalable integration

Flexible customization

Modularized expansion

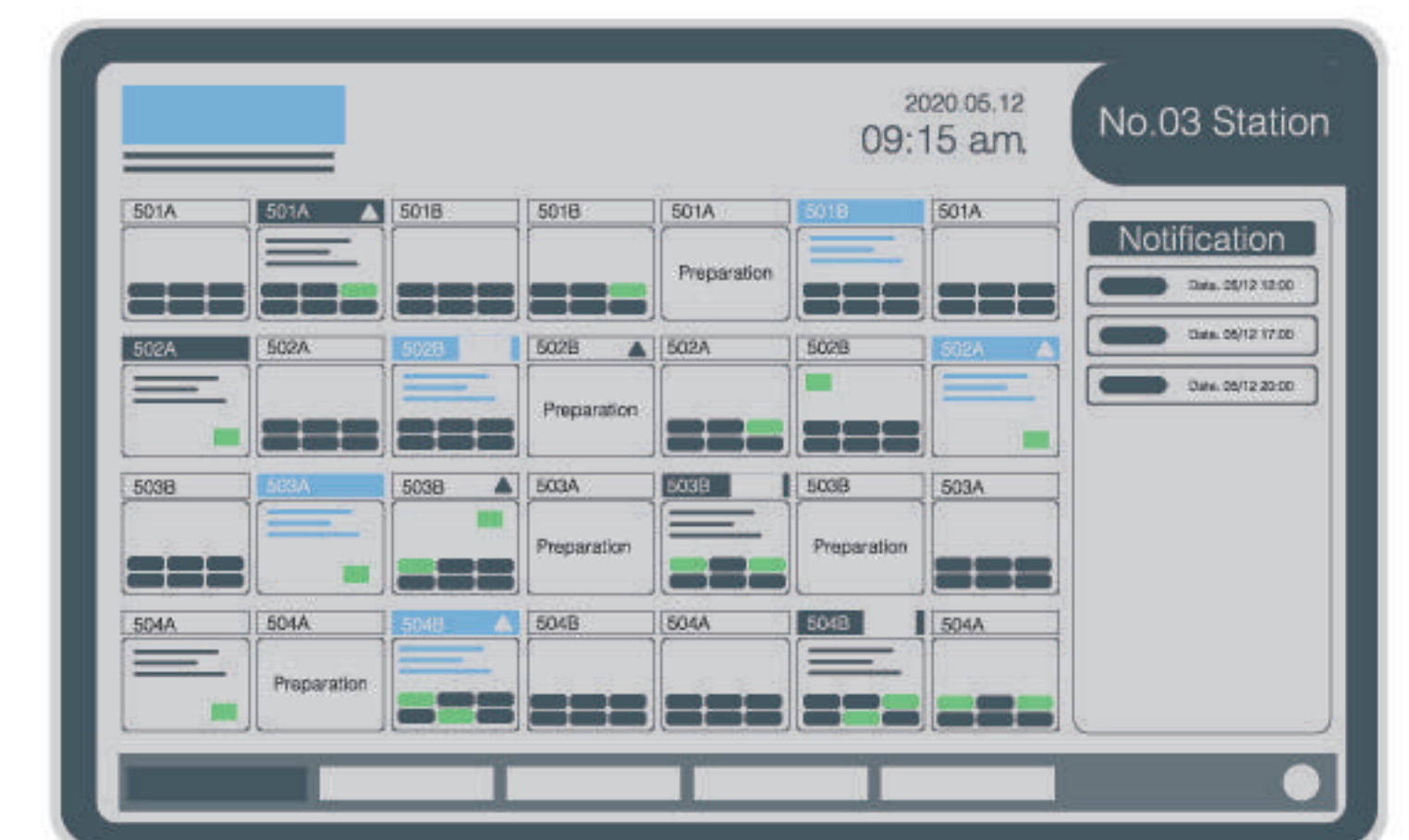## Specialized Functions Improve Patient Care

Hospital Admission

Nursing Control Stations enable staff to add or update patient data and bed information.

Nursing Station

Nursing Dashboard provide patient information and allow nurses to receive patient requests from Bedside Information Terminal.

2020.05.12
09:15 am
No.03 Station

Notification

Patient Discharge

Mobile Nursing Stations allow patients' vital sign data and medical records to be conveniently updated and managed for efficient in-ward nursing care.

Patients can use Bedside Information Terminals to request assistance. Nurses can access the patient request notification list via the Nursing Dashboard.

HOSPITAL

Mr.XXX   Room 511 A

501B

Chris Dnna

Nusing Support

infusion change   fever check   emergency   others