ocamar

Eight Clinical Workflows,
One Device In Your Hands

Healthcare Mobile Computer

Ocamar Technologies Co., Ltd

About Ocamar

Founded in 2003, Ocamar Technologies leverages IoT, AI, big data, and cloud computing technologies to create smart healthcare and wellness solutions. Our philosophy, "Customer First, Technology Leading," drives continuous innovation, providing smarter, safer healthcare experiences.

Our key solutions:

1.Smart Medical IoT Platform
Supports the seamless integration of mobile medical devices and IoT terminals, enabling efficient data flow, AI and cloud computing to power smart hospital applications. Key components include multi-network IoT communication platform, device management, operation and maintenance, and data integration systems.

2.Smart Hospital Solutions
Provides end-to-end solutions covering all hospital scenarios, including wards, operating rooms, outpatient services, security, and logistics, by developing innovative medical IoT devices and smart hospital software applications.

3.Smart Senior Care Solutions
Offers advanced senior care solutions, including vital sign monitoring, fall detection, wandering prevention and emergency alerts, enhancing the quality of life for seniors while providing families and caregivers with real-time insights and support.

Qualification and Certification

51
Patents

263
Software Copyrights

15
Trademarks

Healthcare Mobile Computer: The Future of Nursing Workflows

Healthcare is undergoing a digital transformation, with mature HIS, EMR, and LIS systems in place; however, fragmented workflows at clinical endpoints highlight gaps in adoption. The mobile healthcare revolution is now driving a new wave of integration, streamlining processes and empowering frontline staff to deliver better patient care.

Seamless Integration with Advanced Systems

Mobile nursing PDAs bridge the gap between mature HIS, EMR, and LIS platforms and bedside data capture, transforming manual processes into automated, real-time data input that maximizes IT investments.

Streamlined Workflows and Reduced Workloads

Mobile PDAs replace paper records and unify scattered nursing tasks, enabling nurses to work more efficiently, cutting delays and minimizing clinical errors while easing daily workload.

Real-Time Data Is No Longer Optional

Modern clinical decisions require instant access to vitals, lab results, and orders—delays risk patient safety.

From Usable to User-Friendly

Traditional PDAs were bulky, hard to disinfect, and had short battery life—designed for warehouses, not clinics. Modern nursing PDAs are lightweight, easy to clean, and built for all-day clinical use.

Mobile Computing Designed for Healthcare

Patented 10° Golden Angle, Optimized for Healthcare Scanning

- Patented 10° golden angle for fast, accurate scanning of curved barcodes, like wristbands and IV bags.
- UHF RFID scans up to 1.5 meters, even through bedding, without disturbing patients.

High-Performance Computing for Multitasks

- 5G, dual-band Wi-Fi (2.4G & 5.8G) for seamless connectivity.
- Octa-core CPU + 4GB RAM + 64GB storage to handle multiple medical apps smoothly.

Ergonomic, Lightweight Design

- Streamlined, lightweight design for comfortable daily use.
- Enhanced grip ensures easy operation even with wet hands or gloves.

Medical-Grade Protection

- Protective cover with built-in shock absorption design for reliable drop protection.
- IP67 rated, resistant to medical-grade disinfectants.

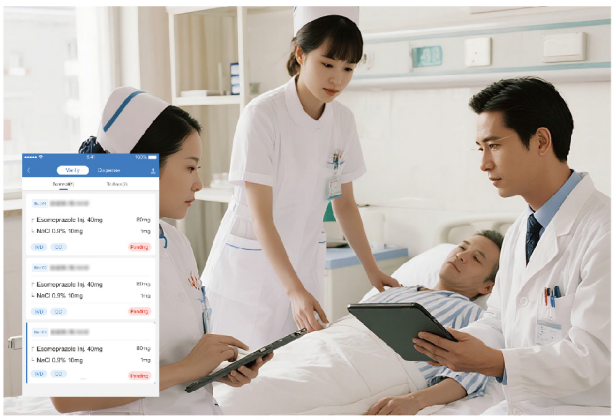
Long-Lasting Battery with Fast Charging

- 500mAh high-capacity battery supports all-day use.
- Type-C fast charging or cradle charging.

Application Scenarios

Patient Identification

Medication Administration



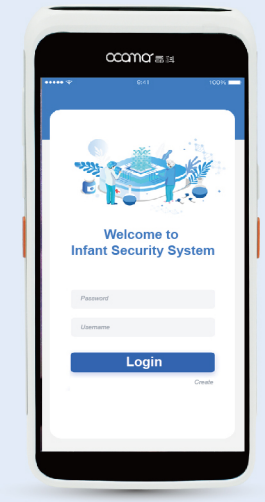
Mobile Nursing

Drug Traceability

Remote Patient Monitoring

Asset Tracking

Specifications

Product Name	Healthcare PDA (4G)
Picture	
Model	SOCM-1
High-Performance	Android 12;Octa-core CPU,2.3GHz;4G RAM + 64 GROM;
Display	5.5-inch Full HD (1440 x 720); Gloves/fingertip.
Battery	4600mAh lithium battery; Type-C fast charging; Charging cradle compatible; Contaminant detection and alerts.
Connectivity	4G full network, dual-band Wi-Fi (2.4G & 5.8G), Bluetooth 5.0,GPRS/GSM/4G; Supports seamless roaming, GPS/Glonass/Beidou/Galileo.
Scanner	Professional barcode engine, optional UHF RFID; Ultra-slim module with patented 10° scan angle design.
Physical Buttons	Top-positioned scanner, flashlight, and camera for better cleaning; Flashlight button enables one-touch activation of pupil exam light.
Camera	13MP rear camera + 8MP front camera.
Authentication	Facial recognition and side fingerprint sensor for secure and flexible access.
Voice Communications	AI voice recognition for hands-free control; Smart PA ensures clear audio in noisy hospital environments.

Product Name	Healthcare PDA (5G)
Picture	
Model	SOCM-2
High-Performance	Android 12; Octa-core CPU,2.6GHz; 4G RAM + 64 GROM (6GB+128GB); Supports GPS, gyroscope, gravity and multiple sensors.
Display	6.088-inch Full HD (1560 x 720); Gloves/fingertip.
Battery	4900mAh lithium battery; Type-C fast charging; Charging cradle compatible; Contaminant detection and alerts
Connectivity	5G full network, dual-band Wi-Fi (2.4G & 5.8G), Bluetooth 5.1,GPRS/GSM/4G; Supports seamless roaming, GPS/Glonass/Beidou/Galileo.
Scanner	Professional barcode engine, optional UHF RFID; ultra-slim module with patented 10° scan angle design
Physical Buttons	Top-positioned scanner, flashlight, and camera for better cleaning; Flashlight button enables one-touch activation of pupil exam light.
Camera	13MP rear camera + 8MP front camera
Authentication	Facial recognition and side fingerprint sensor for secure and flexible access.
Voice Communications	AI voice recognition for hands-free control; Smart PA ensures clear audio in noisy hospital environments.

Our Valued Clients

Guangdong General Hospital

Founded in 1946, Guangdong General Hospital has formed extensive collaborations with world-renowned medical institutions such as the Cleveland Clinic, Mayo Clinic, and Massachusetts General Hospital. In 2019, the hospital successfully performed China's first AI+5G-enabled remote minimally invasive cardiac surgery.

As a leading smart hospital, it developed comprehensive HIS, LIS, and PACS systems, but faced challenges integrating data at the bedside.

To solve this, mobile nursing PDAs were introduced in wards, enabling nurses to verify patient ID and orders via barcode scanning, record vital signs and specimen info on-site, and instantly sync data with hospital systems. Task reminders improve workflow by reducing trips to nurse stations.

Now, nursing at Guangdong General Hospital achieves seamless data flow from bedside to hospital-wide systems, enhancing patient safety and care efficiency.

The Second Affiliated Hospital of Guangzhou Medical University

The Hospital is a leading tertiary hospital in South China, continuously advancing its healthcare IT infrastructure. Faced with complex and scattered nursing tasks, nurses often relied on memory to complete duties, which risked omissions and delays, impacting care quality and efficiency.

With the introduction of mobile nursing PDAs, the hospital implemented real-time task reminders and dynamic management. Seamlessly integrated with the HIS system, task assignments and updates are instantly synchronized, ensuring nurses are promptly notified of changes, reducing missed or duplicated tasks.

Nursing documentation was also streamlined. Information entered once is shared across multiple terminals, cutting down repetitive data entry, lowering workload, and improving overall efficiency.

This system upgrade allows nursing staff to focus more on patient care, ensuring timely and accurate execution of medical orders, and enhancing nursing quality.

Single Deployment, Scalable Expansion

Ocamar Technologies Co., Ltd.
Address: 2nd Floor, Block C, Building 20, No. 2388 Chenhang Highway,
Minhang District, Shanghai
Email: service_global@ocamar.com
Tel: +86 185 2178 6596
Web：www.ocamar.com

smtz-20250521