CIAO AI Connect

Retail Intelligence Solution

Streamline retail with CIAO ISA and AI Connect (Smart Holder), an AI-driven solution that monitors every cart item to prevent errors and fraud, speeds up checkout, boosts customer engagement, and seamlessly integrates with retail systems for unmatched efficiency and security

android enterprise recommended | GMS Google Mobile Services | SOTI | Wi-Fi

Advanced Fraud Prevention with AI

CIAO ISA incorporates cutting-edge AI technology to ensure shopping accuracy and minimize fraud by up to 80%. Integrated with the CIAO AI Connect, it provides real-time alerts and cross-verifies scanned items against cart contents for seamless and secure transactions.

Seamless Integration with Retail Software

Compatible with industry-leading platforms like 4MAX Scan & Go, CIAO ISA offers unparalleled adaptability. Its Android-based system supports integration with third-party software, ensuring smooth implementation into existing retail operations.

Intuitive Design and Enhanced User Experience

Featuring a 5-inch HD touch display, customizable grip, and ergonomic design, CIAO ISA ensures comfort and efficiency for both shoppers and staff. Its rugged build with IP54 certification and 1.5 m drop protection guarantees durability.

Contactless Payment and Real-Time Data

Equipped with Tap on Mobile technology, CIAO ISA supports Visa, MasterCard, Google Pay, and Apple Pay. Real-time location tracking, RFID anti-theft solutions, and comprehensive analytics elevate the shopping experience to a new level of precision and security.

| Smart Retail Assistant | Accelerated Checkout | Fraud Prevention | In-Store Navigation | Seamless Integration | Intuitive User Interface |

Main Features

Operating System
Linux-based;
optimized for low-latency AI operations,
secure, and industrial-grade.

Processor
Rockchip RV1109 ARM Cortex-A7,
Dual-Core 1.5GHz with NPU;
Built for AI-driven tasks and real-time
retail efficiency.

Memory
RAM 1GB / ROM 8GB

Camera
Built-in AI Camera: 1600 x 1200 pixels;
Auto Focus: Fixed Focus.

Wireless LAN (WLAN)
IEEE 802.11 b/g/n 2.4G

Wireless PAN (WPAN)
BT 5.2 BR/EDR + BLE; HFP, PBAP,
A2DP, AVRCP, OPP, SPP, GATT;
High speed, low energy consumption.

Voice & Audio
Optional Buzzer

Sensors
Lidar Sensor: Provides precise distance
measurement, covering the entire shopping
cart area to detect items with optimal
accuracy while conserving battery resources
by activating the camera only when necessary.

Buttons
Power button, requires service key.

Connections & Interfaces
UART 3.3V, communication
and data exchage between
CIAO AI Connect and CIAO ISA.

Power
Battery Specification:
Capacity: 5180mAh (Recharges from CIAO ISA battery), Energy: 19.943Wh;
Voltage: 3.85V (limited charge voltage: 4.4V),
Connection: Replaceable battery with secure connector (requires service key).
USB Power Adapter: 5.0V 2.0A; Cable: USB 2.0 high speed POGO pin; USB Charging (VUSB): 5V 2A
POGO pin: 4-pin interface for power (VBUS/GND) and data communication (TX/RX).

Mounting Type
Durable clamp with rubber inserts and
hidden screws, designed to fit handles of
various diameters on shopping trolleys.

AI Fraud Detection
• CIAO AI Vision Frontend (Self-Learning
AI-Based Software for Fraud Detection);
• CIAO AI Vision Backend (Cloud / Local
SKU Database);
• GDPR Secured. Requires CIAO Intelligent
Shopper Assistant (ISA).

Colors Customization
Body color, slot color

Seal & Ruggedness
IP65 (dust-tight and water-resistant).

User Environment
Operating Temp
-20°C to 60°C, -4°F to 140°F
Humidity
10% to 85% non-condensing

Dimensions (L×W×H)
80 x 168 x 232.8 mm
3.15 x 6.61 x 9.16 in

Weight
635 g / 22.39 oz (with battery)

Standard Accessories
Power Adapter, USB Cable,
Battery 5180mAh.

Optional Accessories
3-Slot Charging Cradle; Power Adapter;
CIAO AI Connect (Smart Holder); USB Cable;
Battery for CIAO AI Connect; Screen
Protector (Glass); CIAO Standard Holder.

Learn More About CIAO Solution
Experience CIAO Retail Intelligence Solution, leveraging AI to prevent fraud, enhance checkout speed, and boost customer engagement. Seamlessly integrates with retail systems for unmatched efficiency and security.

*All specifications and designs are
subject to change without further
notice.