Penguin 1 Pro Series

KITCHEN DISPLAY



Every modern kitchen is fighting the same battles.

The back-of-house has never been under more pressure – and the gaps are getting harder to hide.

Without the right foundation anchoring your kitchen, the cracks appear fast. Coordination breaks down, devices fail without warning, and hygiene blind spots go unnoticed – until a bad service makes them impossible to ignore.

Android Enterprise Gold partner

Google Mobile Services

• CHAOS

Verbal calls, printed tickets, and hand signals all compete for attention across prep, cooking, and serving. Orders slip, duplicate, or arrive late — and the bigger the restaurant, the worse it gets.

• FRAGILITY

Batch device failures hit without warning and often without a root cause. Problems only surface when it's too late, leaving operators firefighting instead of running their kitchen.

• HYGIENE

Tickets pass through every station and every pair of hands — a direct cross-contamination risk where food is being prepared.

Steeled for Uptime

The bridge to evolved kitchen operations.

304 STAINLESS STEEL

KiwiCloud

IMIN · PENGUIN 1 PRO SERIES

Penguin 1 Pro Series is a **commercial-grade kitchen display** engineered to redefine what business uptime means for the back-of-house – combining reliable hardware built to endure the demands of a professional kitchen with unified endpoint management that keeps every device visible, healthy, and in control.

Built for the next decade of kitchen operations, Penguin 1 Pro Series doesn't just survive the shift – it runs it.

Ships with

IEEE 802.3bt (PoE++)

One cable delivers both power and data –
simplifying installation and reducing failure points.

PoE



Octa Core

CPU Upgrade

1 x Prime 2.9GHz + 3 x Gold 2.7GHz + 4 x Silver 2.0GHz

3 X

Performance Increase

Auto Start-up

Simplistic, streamlined deployment.



Dual Mic + Dual 3W Speakers

Audible order alerts and overtime notifications ensure critical updates are never missed.



Built for the Kitchen

IP65 rated to handle the heat, grease, humidity, and washdowns of a real commercial kitchen.



Gloved Touch · Waterproof Touch · Anti-Fingerprint Coating

G+G capacitive touch that works with gloves or wet hands. Oil-resistant screen, 170° wide viewing angle, 250/400-nit brightness built for commercial kitchen visibility.



Smooth interactions with gloves or wet hands

G+G, 10-point capacitive touch

170° wide viewing angle

250/400-nit brightness for clear readability

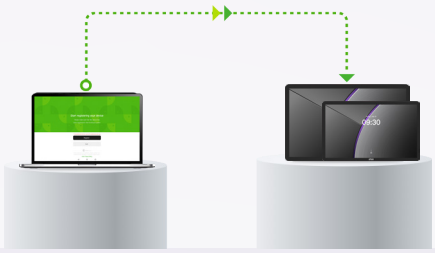
The Penguin 1 Pro Series Advantage

Zero Paper, Zero Consumables

Intelligent order sorting, overtime alerts, and FHD display reduces paper reliance significantly.



KiwiCloud



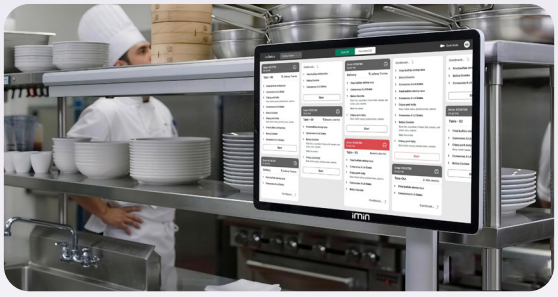
Manage Every Penguin 1 Pro from One Place

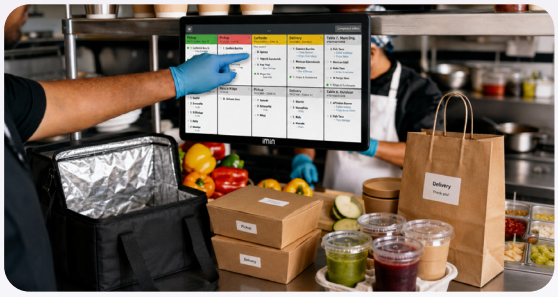
Every Penguin 1 Pro ships managed by KiwiCloud. Enroll devices with zero touch, push apps and policy updates across the entire fleet, lock each screen to its task, and resolve issues with remote assistance — across every location, with no site visit. Android Enterprise certified and secure by default.

- Zero-touch enrollment
- Fleet-wide updates
- Kiosk lock-down
- Remote assistance

Quantifiable Kitchen Efficiency

Every operation is trackable. Full dispatch records, standardized pacing, and clear accountability – reducing complaints and improving throughput.





Automated Order Sorting

Orders keep moving in the right sequence, with colour-coded timers and voice alerts so nothing slips — hands-free, even in a loud kitchen. Online delivery orders flow straight onto the display the moment they come in, so the kitchen sees every order in real time. Barcode confirmation closes the loop, and every transaction is logged for full accountability.

Accessories

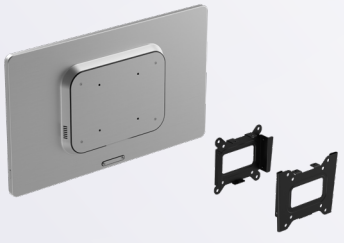
Optional Zebra Scanner

Scan to confirm dispatch and update inventory instantly – no more errors from manual processes.



Compatible with Wall Mount

Mounting boss fits any standard 100 x 100mm VESA (MIS-D) mount. VESA mount by iMin sold separately.



Core Features

High Performance

Octa-core processor
8GB RAM + 128GB ROM

WLAN 6E (2.4GHz/5GHz/6GHz) + Gigabit Ethernet

High-concurrency connectivity, wired or wireless.

Android 16

Enterprise-grade security for business-critical deployments

Bluetooth 6.0

Stable, low-latency connections for scanners and peripherals

Specifications

Processor	Octa-core (1 x Prime 2.9GHz + 3 x Gold 2.7GHz + 4 x Silver 2.0GHz)	**Operating System**	Android 16 64bit, GMS
Configuration Penguin 1 Pro	8GB RAM + 128GB ROM (PoE)	**Configuration** Penguin 1 Pro mini	8GB RAM + 128GB ROM (PoE)
Display Penguin 1	21.5", FHD, 1920 x 1080, Multi-point Capacitive Touch Panel Brightness: 400 nits	**Display** Penguin 1 mini	15.6", FHD, 1920 x 1080, Multi-point Capacitive Touch Panel Brightness: 250 nits
AC Adapter	Input: AC 100V-240V, 50/60Hz; Output: DC 24V/2.5A	**PoE**	IEEE 802.3bt (PoE++), Max 60W
Connectivity	WLAN 6E, 802.11 a/b/g/n/ac/ax (2.4GHz/5GHz/6GHz), Bluetooth 6.0	**Speaker**	3.0W x 2
Peripheral Ports	USB3.0 Type-A x 1, USB3.1 Type-C x 1 (Support OTG & Debug), RJ45 x 1, DC Jack x 1	**Button**	Power key
Accessory*	Scanner, VESA Mount	**Material**	SUS304 Stainless Steel
Environmental Temperature	Device: Operating -10 ~ 50°C, Storage -20 ~ 60°C Adapter: Operating -10 ~ 45°C, Storage -20 ~ 60°C	**Environmental Humidity**	Operating 10%~90% RH (non-condensing) Storage 5%~95% RH (non-condensing)
Protection Level	IP65 per IEC standard 60529 (without optional peripherals)	**Certification***	Google GMS FCC, CE, WEEE, RoHS
Dimensions / Weight	15.6": 371.7 x 224.7 x 29.1mm / 2kg 21.5": 510.5 x 302.7 x 34.3mm / 4.56kg		

* The product pictures and display contents in the above pages are for illustration purposes only. The actual product effects (including but not limited to appearance, color, size) and screen display contents (including but not limited to background UI pictures) might differ.

The performance results are obtained from iMin's internal laboratory and extracted from specific test environments. In actual use, there might be a difference in performance due to individual differences in product, software, use conditions and environmental factors.

The accessories of the Penguin 1 Pro are sold separately according to user needs, DC power adapter or power cord not included for PoE version.