

Engineering Standards

Quality & Certifications: AonKiosk's Strategic Commitment to
Hardware Reliability and Global Compliance.

Excellence by Design

Reliability DNA

At AonKiosk, quality is not a final inspection step; it is the foundation of our engineering process. We prioritize hardware resilience to ensure 99.9% uptime in demanding field environments.

Global Standards

Our facility operates under rigorous international frameworks, ensuring that every terminal meets the safety and environmental benchmarks required by Fortune 500 enterprises.

ISO 9001:2015 Framework



Systemic Precision

Our Quality Management System (QMS) is certified to ISO 9001:2015 standards, emphasizing a process-driven approach. This ensures consistent output quality, risk mitigation, and continuous improvement across our sheet metal and electronics assembly lines.

Key Pillars:

- Evidence-based Decision Making
- Stringent Process Controls
- Customer-Centric Design

| The 4-Stage QC Lifecycle

IQC

Incoming Quality Control:
Verification of raw materials
and Tier-1 components.

IPQC

In-Process QC: Real-time
monitoring of wiring and
structural assembly.

FQC

Final Quality Control:
Mandatory 72-hour aging and
diagnostic testing.

OQC

Outgoing Quality Control:
Logistics verification and
documentation check.

| Global Compliance Certs



CE Marking

Mandatory for the European Economic Area, ensuring strict adherence to health, safety, and environmental protection standards.



FCC / RED

Ensuring electromagnetic compatibility (EMC) and radio frequency integrity for reliable wireless operation in North America and EU.



RoHS 2.0

Restriction of Hazardous Substances: certifying that our products are lead-free and eco-friendly throughout their lifecycle.

| Hardware Stress Testing

Field Survivability

We eliminate "infant mortality" failures through rigorous burn-in protocols. Our dedicated aging facility subjects every batch to continuous full-load operation, ensuring component stability before shipping.

Every AonKiosk unit is built to survive extreme thermal shifts and electrical surges commonly found in industrial and public deployments.



Mechanical Integrity

IK10

Highest Impact Rating

Vandal-Proof Engineering

Our kiosks are engineered to withstand significant kinetic energy. The IK10 rating signifies protection against 20-joule impacts (equivalent to a 5kg mass dropped from 40cm). This ensures total structural survivability in unsupervised high-traffic areas such as transit hubs and city centers.

| Environmental Protection

IP65/IP66 Sealing

AonKiosk terminals are designed for operational continuity in harsh climates. Our sealing technology undergoes high-pressure water jet testing to ensure zero moisture ingress.

- ✓ Dust-tight enclosure (IP6x)
- ✓ Water jet protection (IPx5/IPx6)
- ✓ UV-resistant powder coating



Tier-1 Component Sourcing

Category	Standard Specification	Reliability Metric
Touch Panels	10-Point PCAP, 7H Hardness	50M Touches / Life
Motherboards	Industrial Grade (Fanless)	MTBF > 50,000 hrs
Power Supply	Mean Well / Medical Grade	Over-voltage Protected
LCD Panels	BOE / LG High Brightness	7/24 Operation Duty

Reliability Performance



| Traceability & Documentation

Inspection Reports (QIR)

We provide full transparency for project-based deployments. Every unit is serialized and accompanied by a detailed Factory Acceptance Test (FAT) report.

-  Individual serial tracking
-  Verified inspection signatures
-  100% data logging of stress tests



Quality Support

Do you require specific certifications or localized compliance reports for your upcoming tender?

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Image Sources



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