

Oosto OnPoint Access Control Reader

Touchless Access Control at the Edge

Simplify. Save. Secure.

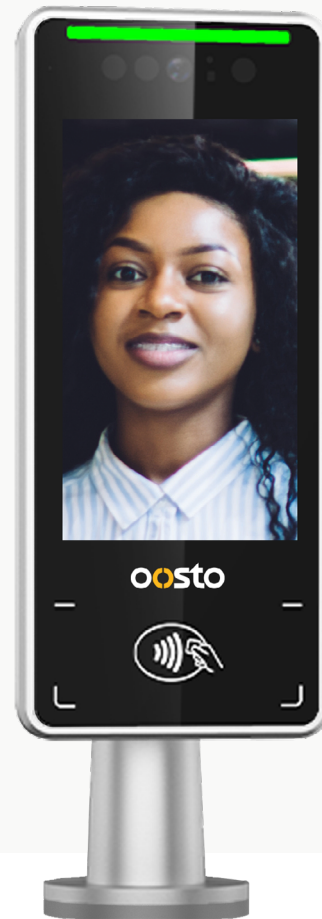




Introducing the **Oosto OnPoint Access Control Reader**

Traditional access control technology, relying on card keys, fobs, and keypads, leaves organizations vulnerable to threats. Cards and fobs can be lost, stolen, or shared, as can passcodes. Codes to physical keypads likewise can be shared but they can also spread germs and create cross-contamination.

The Oosto OnPoint Access Control Reader makes it easy for you to take control of the physical security of buildings and internal/ external spaces with a completely touchless experience. These readers uniquely leverage facial biometrics and edge computing to quickly and accurately recognize authorized personnel and prevent unauthorized access, even during a network outage.



Key Benefits

Smart Scale

Add touchless access control readers when and where they are needed with facial recognition neural networks embedded in OnPoint readers for edge processing.

Superior Value

Reduce the total cost of ownership with fewer central servers, cost-effective processing at the edge, and reduced GPU costs.

Surprising Performance

Realize unexpected detection accuracy in real-time with decision making at the edge, even when running on compact, low-power OnPoint touchless access control devices.

Oosto delivers one of the fastest and most accurate recognition and authentication solutions in the industry – which will provide a truly frictionless entry experience for employees.”

— Project lead for multinational information consulting company



Capabilities



Touchless Access Control

At the Edge for reduced health risks associated with surface contact access control systems that rely on fingerprints or keypads.



Superior Frictionless Performance

Providing sub-second real-time access control in most cases, with no need to slow down or remove masks for a frictionless experience even during peak times.



Offline Access with No Single Point of Failure

OnPoint readers as edge devices function autonomously to grant/deny access even during a network failure or disconnection.



Spoofing Prevention

3D liveness detection eliminates unauthorized access attempts and detects frauds in seconds.



Highly Accurate

No degradation at the edge with 99+% recognition accuracy even across multiple sites.



Seamless Integration

With popular card, fob and keypad based access control systems.



Tailgating Detection

Oosto automatically prevents entry when two faces are detected in one frame.



Secured Investment

Enabled by Kubernetes cluster technology that renders the device useless if stolen.



Largest Authorized List

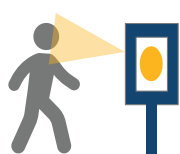
Providing edge-based access control for up to 300K authorized employees, visitors, and VIPs.



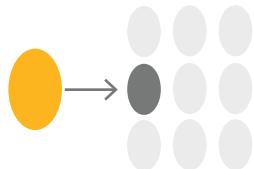
Dataflow

When a person approaches the OnPoint Access Control Reader, their face is instantly compared to the list of people previously synchronized to the device. If matched, the corresponding card ID is transmitted over the relevant Wiegand to the related door controller, allowing the access control system to grant or deny access according to their defined rules.

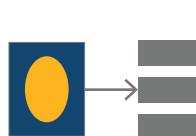
Automate Secure Entry



1. Person approaches OnPoint Reader



2. Face compared to individuals synched to the OnPoint device



3. Face match identified and individual's card ID transmitted to Wiegand



4. Wiegand connects to door controller to grant or deny access according to predefined rules

Technical Specifications

SYSTEM COMPONENT

PERFORMANCE AND LIMITATIONS

System	OS	Android 10
	Display	Touch 5.5 inch, 800 x 1280
	Status LED	Yes
	Communications	Ethernet/WiFi
	Power	12V, POE via injector
	Audio	Speaker and Mic
	Camera	HD quality camera, wide angle lens, backlight compensation
	3D Depth Sensor	3D active stereo depth sensor
	Card Reader	NFC
	Peripheral Port & IO	Relay, RJ45 with POE, Wiegand and OSDP ready
Detection & Recognition	Face recognition distance	0.3 to 3m
	Recognition accuracy	Over 99%
	Face recognition speed	0.2 >1 sec
	Liveness detection	2D/3D liveness
General Information	Watchlist size	300K
	Certification	CE, FCC, ROHS, BIS, WPC, IP56, IK05
	Environmental	Operating temperature: -10°C - 45°C Storage temperature: -25°C - 60°C
	Dimensions	222 (L) *96 (W) *17 (H)
	Mounting Bracket Options	Wall mount bracket, turnstile mount bracket