

Prox 450 & Prox 200

Omni-ID's Prox 450 and Prox 200 are small form factor, global, RFID tags designed specifically for enterprise IT asset management environments. Market leading consistency is provided through its broadband RF design which supports handheld and portal use cases on both metal and plastic assets alike. Available in both an on metal Prox 450 and a balanced Prox 200, this tag group will provide an option for all surfaces in IT asset management applications.

Applications

With its low profile, small footprint and consistent RF performance, these Prox tags are ideally suited to IT asset management applications including tracking:

- ▶ Rack mounted servers
- ▶ Routers and blades
- ▶ General IT and office equipment

Physical Specifications

Material	HIPS core with synthetic label
Size (mm)* (tolerance)	35.0 x 10.0 x 5.0 (+/- 0.5)
Size (in)* (tolerance)	1.38 x 0.39 x 0.20 (+/-0.02)
Weight (g)	1.76

* Prox 450 and Prox 200 are the same size.



Dimensions stated in mm

RF Specifications

Protocol	EPC Class 1 Gen2V2
Frequency Range (MHz)	860-930
IC Type (chip)	Monza 4QT
Memory ¹	EPC - 128bits User - 512bits UTID - 48bits

¹EPC and User memory are reprogrammable, UTID is locked at point of manufacture.

Read Ranges¹

	Prox 450	Prox 200
Fixed Reader - On Metal	Up to 4.4m EU Up to 4.8m US	Up to 2.4m EU Up to 4.4m US
Handheld Reader - On Metal	Up to 1.9m EU Up to 2.8m US	Up to 1.5m EU Up to 2.9m US
Fixed Reader - Off Metal	NA	Up to 2.3m EU Up to 2.6m US
Handheld Reader - Off Metal	NA	Up to 2.0m EU Up to 1.8m EU
Material Compatibility	Optimized for Metal	Balanced for all substrates

¹Quoted performance achieved using standard testing methodology. Read range will vary with reader hardware and output power. ²EPC and User memory are reprogrammable, UTID is locked at point of manufacture

Related Products and Services

- ▶ **Omni-ID IQ 350** - The smallest ultrathin label, easy to deploy and optimized for thermal barcode printers.
- ▶ **Omni-ID IQ 600**- Small balanced Ultrathin premium label for on-metal functionality, supplied in roll form.
- ▶ **Omni-ID Flex 600** - Flexible, cost effective tag, ideal for data center and office equipment including portal setups.
- ▶ **Service Bureau** - Omni-ID offers a full service bureau for printing and pre-encoding Omni-ID tags at point of manufacture.



Environmental Specifications

Storage Temperature -40 to +85°C

Operation Temperature ¹ -40 to +85°C

IP Rating IP54

Shock and Vibration MIL STD 810-G

Attachment Foam Adhesive included

Certifications



RoHS approved, CE approved
ATEX/IECEx certified (option)
US&Canada (C1D1/D2) certified (option)

Warranty 1 year

¹ Excludes adhesive options, consult adhesive data sheets for recommended temperature ratings.

Ordering Information

Order Codes:

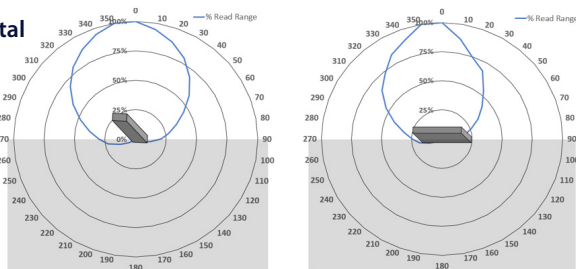
Prox 450	156 GS
Prox 200	157 GS

Option Codes:

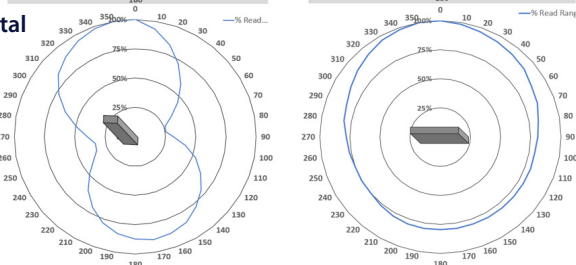
:303 (Customization)
:304 (ATEX/IECEx certified)
:307 (US&Canada (C1D1/D2) certified)
:510 (Tether cradle)
:701 (Standard Service Bureau)

Radiation Patterns

On metal



Off metal



A white printable label will replace the standard black label when a printable label is required.

Omni-ID office locations: US | UK | China | India | Germany
For product or technology inquiries email: sales@omni-id.com