



METAL SKIN DELTA U8

Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2, ISO/IEC 18000-6C
- **Frequency** 902-928 MHz (US); 865-868 MHz (EU)
- **IC type (chip)**¹ NXP UCODE 8
- **Chip memory**² 128 bits EPC; 96 bits TID
- **Write cycles** 100,000 times
- **Data retention** 20 years
- **Read range fixed**³
 - Up to 36.09 ft (11 m) on metal
 - Up to 19.69 ft (6 m) off metal
- **Read range handheld**³
 - Up to 16.40 ft (5 m) on metal
 - Up to 13.12 ft (4 m) off metal
- **Polarization** Linear

Key Features

- + **Flexible label:** for curved surfaces
- + **11m:** long read range on metal
- + **Printable:** human and computer-readable
- + **Cost effective:** for high volume
- + **IP68 rating:** waterproof

Applications

- **Data centers**
- **IT asset management**
- **Manufacturing WIP**
- **Automated inventory**

Environmental Specifications

Temperatures



- **Operational** -40°C to +85°C
-40°F to +185°F
- **Survival** -40°C to +85°C
-40°F to +185°F

- **IP rating** IP68
- **Compression strength** 355 psi (2,450 kPa)
- **Vibration** MIL-STD-810G
- **Printer compatibility** Sato CL4NX; Postek TX2r/3r/6r; TSC Printronix T6000e
- **Warranty** 1 year

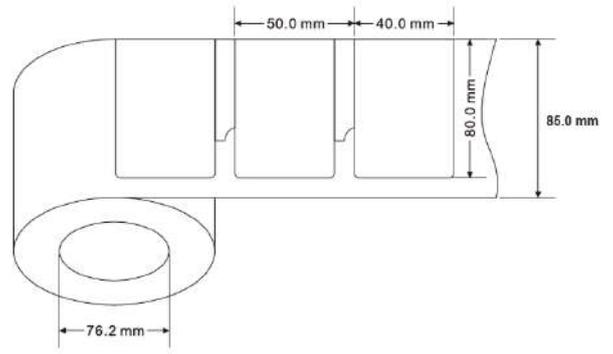
¹ The chip data retention is up to 20 years, based on chip operating under general environment conditions.

² EPC can be re-programmed or permanently locked, can not be password protected. TID is locked and unique at the point of manufacturing.

³ Fixed reader. Actual read range may vary based upon use case and antenna power.

Physical Specifications

- **Label material** White thermal transfer face stock
- **Reel core material** Cardboard
- **Reel core inner dimension** 76.2mm/3(in)
- **Dimensions (in)¹** 3.15 x 1.57 x 0.04
- **Dimensions (mm)²** 80 x 40 x 1
- **Packaging** 300pcs/roll
- **Weight (roll)** 1.76 lbs (0.80 kg)



Mounting Systems

- Industrial adhesive

Installation Instructions

1. Clean the surface using isopropyl alcohol, an alcohol pad, or equivalent solvent to remove dust, oil, and debris that may affect adhesion.
2. Handle by the edges and peel off the release liner without touching the adhesive.
3. Position and apply the label at the desired location, pressing firmly and evenly for 5 seconds.
3. Allow to set undisturbed for at least 15 minutes to ensure proper adhesive bonding.

¹ Tolerance: Length/Width= +/- 0.02; Thickness= +/- 0.008

² Tolerance: Length/Width= +/- 0.50; Thickness= +/- 0.200

Industry Compliance



Order Information

METAL SKIN Delta U8 US: X8040-US011-U8

METAL SKIN Delta U8 EU: X8040-EU011-U8

Customization Options

Encoding

ATEX Certified Version

Printing

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