

# Understanding Product Identifiers

EAN (European Article Number):

EAN is a 13-digit barcode used internationally for product identification. Primarily used outside North America, it uniquely identifies a product variant based on attributes like size, color, and packaging. EAN-13 is the most common version.

GTIN (Global Trade Item Number):

GTIN is an umbrella term for product identification numbers including UPC, EAN, and ISBN. It typically includes 8, 12, 13, or 14 digits and helps businesses manage products across databases globally.

ISBN (International Standard Book Number):

ISBN is a 10 or 13-digit number specifically used to identify books and book-like products. It uniquely identifies a publication, facilitating ordering and inventory management in bookstores and libraries.

Applications:

- EAN: Retail, supermarkets, global trade.
- GTIN: Inventory management, e-commerce, global retail.
- ISBN: Libraries, bookstores, publishing industry.

# Sample Product Identifiers

## Example Products:

### 1. EcoSmart LED Light Bulb

- Product ID: 12345-ES12W
- SKU: ES12W-BULB-60EQ
- Brand: EcoSmart
- Price: \$3.99
- Condition: New
- GTIN: 0012345678905
- EAN: 0123456789052

### 2. ThermoSmart Wi-Fi Programmable Thermostat

- Product ID: 56789-TST1000
- SKU: TST1000-THERMO
- Brand: ThermoSmart
- Price: \$129.99
- Condition: New
- GTIN: 0056789012345
- EAN: 0567890123458

### 3. SafeHome Wireless Doorbell Camera

- Product ID: 78901-DBC720
- SKU: DBC720-DBCAM

- Brand: SafeHome
- Price: \$59.99
- Condition: New
- GTIN: 0078901234567
- EAN: 0789012345674