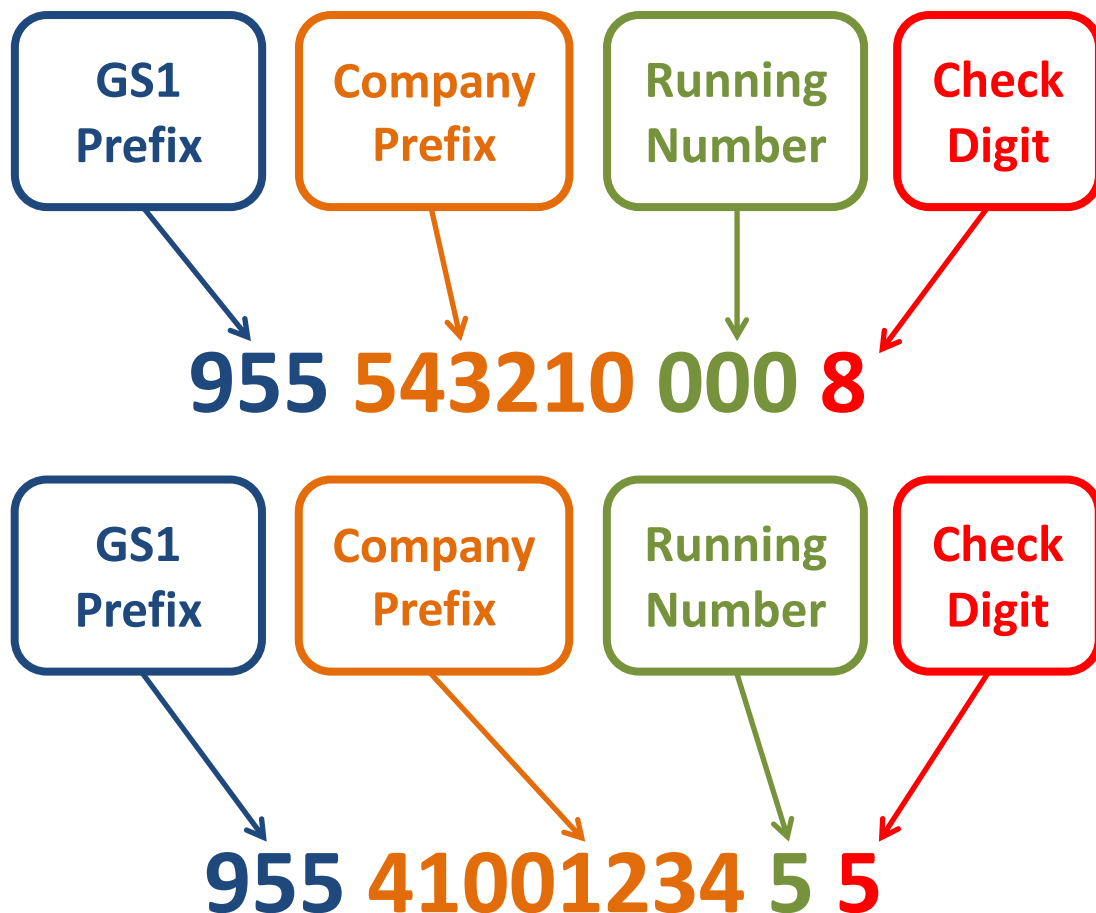


GS1 Barcode Number (GTIN)

Check Digit Guidelines

GS1 Barcode Number Breakdown



What is a **Check Digit**?

1. The GS1 **Check Digit** is used to check the GS1 barcode number for errors, as it **changes** when the **other numbers** in a GS1 barcode number **change**.
2. **All GS1 Global Trade Item Numbers (GTINs)** end with a Check Digit.

3. The Check Digit is calculated from the 12 digits of the GTIN number using the **Modulo-10 algorithm**.
4. A GS1 GTIN barcode number without a Check Digit will be:
 - a. Flagged by barcode scanners as incorrect / cannot be scanned.
 - b. Cannot be used to retrieve product information.
 - c. Not considered as a GS1 GTIN Barcode Number (**Unauthorized Barcode Number**).

If you encountered problems generating your barcode numbers, GS1 Malaysia provides a Barcode Number Generation Service for a modest fee:

**a) GTIN-13 Number Generation Service
(Product-level / SKU)**

RM 100.00 for **10** GS1 barcode numbers
(Small Block License only)

RM 375.00 for **250** GS1 barcode numbers

RM 500.00 for **1,000** GS1 barcode numbers

**b) GTIN-14 Number Generation Service
(Carton / Non-retail level)**

RM 100.00 for **80** GS1 barcode numbers

If you have any further questions, kindly contact GS1 Malaysia using the methods below:

- a. Whatsapp – **011-1616 8228** or **014-393 3228**
- b. Email – databank@gs1my.org

Thank You.