

## 2D Barcode Chart


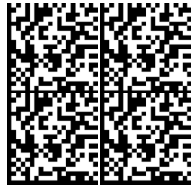

Data Matrix, QR Code, and GS1 DataMatrix are commonly used two-dimensional (2D) barcodes that can carry all GS1 keys and attributes. They can be applied to hold trade item information such as the GTIN, expiration date, serial number, or batch/lot number, etc.

**Note 1:** Globally for regulated Healthcare trade items GS1 DataMatrix is the only allowed 2D barcode.

**Note 2:** For Canadian Cannabis trade items GS1 DataMatrix is used.

**Note 3:** GS1 Digital Link URI can be used with native Data Matrix and QR Code.

**Note 4:** GS1 Digital Link URI syntax SHALL use the uncompressed form.

	QR Code (GS1 Digital Link URI)	Data Matrix (GS1 Digital Link URI)	GS1 DataMatrix
2D Barcode Symbology (With human readable)	 <a href="https://www.example.com/01/00068780000108/10/ABC123?17=301231">https://www.example.com/01/00068780000108/10/ABC123?17=301231</a>	 <a href="https://www.example.com/01/00068780000108/10/ABC123?17=301231">https://www.example.com/01/00068780000108/10/ABC123?17=301231</a>	 (01) 00068780 000108 (17) 301231 (10) ABC123
Symbology Identifier	<b>⓵Q1</b>	<b>⓵d1</b>	<b>⓵d2</b>
Capacity Maximum (Depending on encoded data)	<b>7089</b> numeric or <b>4296</b> alphanumeric	<b>3116</b> numeric or <b>2335</b> alphanumeric	<b>3116</b> numeric or <b>2335</b> alphanumeric
GS1 Keys	All GS1 keys per approved application		
Example Attributes	GTIN: (AI 01) 8-14 digits Expiration Date: (AI 17) yymmdd Batch/Lot: (AI 10) alpha-numeric		
	<i>GS1 General Specifications Reference in section 3.2 "GS1 Application Identifiers in numerical order" <a href="https://ref.gs1.org/standards/genspecs/">https://ref.gs1.org/standards/genspecs/</a></i>		