



Data Matrix Barcode

A **Data Matrix** code is a two-dimensional matrix barcode consisting of black and white square modules arranged in either a square or rectangular pattern. The information encoded can be text or raw data.

The length of the encoded data depends on the symbol dimension used. Error correction is added to increase symbol strength: even if they are partially damaged, they can still be read.

A Data Matrix symbol can store up to 2,335 alphanumeric characters.

Symbol sizes vary from 8×8 to 144×144 cells.



Small Example Down to 1x1mm square



Large Example up to 2,335 alphanumeric characters

Benefits

Data Matrix codes are becoming common on printed media such as labels and letters.

Data Matrix codes can be marked directly onto small components for tracking and traceability where restrictions in space have been an issue in the past.

Marking techniques assure a permanent mark which should last the lifetime of the component.