

API REFERENCE

Online Barcode Generator API

barcode.tec-it.com

HTTP GET/POST interface for generating barcode images with configurable **symbolology**, dimensions, colors, output format, quiet zones and human-readable text.

Base URL

Use the endpoint below and pass the parameters described in this reference via GET or POST.

<https://barcode.tec-it.com>

METHODS

GET / POST

DEFAULT OUTPUT

GIF

ADDITIONAL FORMATS

JPG, PNG, SVG*

LOCALIZATION

en / de

RESOLUTION

72 DPI minimum; up to 600 DPI for subscribers

PAID SERVICE

accessid is mandatory

* SVG output is available only for subscribers.

In this reference

01**Request parameters**

All GET/POST parameters, accepted values and defaults.

02**Subscription usage**

Subscriber identification, error handling and service limits.

03**Supported barcode types**

Barcode identifiers accepted by the **code** parameter.

1 Request parameters

The API accepts the following parameters via **GET** or **POST**.

1.1 Core request data

Parameter	Description	Values / notes
code	Sets the desired barcode symbology.	See Section 3 for the complete list.
data	Sets the barcode data.	Same as text .
text	Sets the barcode data.	Same as data .
composite	Sets the composite mode.	cca , ccb , ccc , auto , or none . If omitted, the default composite for the selected code is used.

1.2 Dimensions, resolution and color

Parameter	Description	Values / notes
dpi	Sets the output resolution.	Minimum 72 DPI. Subscribers can use up to 600 DPI.
unit	Selects the unit for modulewidth , height and width .	mm , mils , px , fit (default), or min (minimal).
modulewidth	Sets the module width.	Uses the unit selected with unit .
color	Sets the barcode color as an RGB hexadecimal value.	Example: FF0000 .
bgcolor	Sets the background color as an RGB hexadecimal value.	Example: FFFFFF .
height	Sets the barcode height.	Uses the unit selected with unit .
width	Sets the barcode width.	Uses the unit selected with unit .
scalex	Sets a custom horizontal scale factor.	The default scale factor is used if omitted.
scaley	Sets a custom vertical scale factor.	The default scale factor is used if omitted.
rotation	Rotates the barcode counter-clockwise.	0 (default), 90 , 180 , or 270 .

1.3 Output, language and delivery

Parameter	Description	Values / notes
translate-esc	Enables translation of escape sequences.	Set to on .
lang	Sets the localization language.	en for English or de for German.
imagetype format	Specifies the returned image format.	jpg , png , svg , or gif (default). svg is available only for subscribers.
download	Returns the image as a download.	Set to any value. Response header: content-disposition: attachment . May help with Google proxy servers.

1.4 Quiet zones and QR Code settings

Parameter	Description	Values / notes
qunit	Sets the unit used for the quiet zone.	px , mm , or mils .
quiet qz quietzone	Applies a quiet zone to the top, right, bottom and left.	Use quiettop , quietright , quietbottom , or quietleft to set each side individually.
eclevel	Sets the QR Code error-correction level.	low / L , medium / M , quartil / Q , or high / H .

1.5 Human-readable text

Parameter	Description	Values / notes
showhrt	Shows or hides the human-readable text.	Hide with no or 0 .
hrt	Sets custom text that differs from the barcode data.	Available if barcode text is supported.
textalign	Sets the text alignment.	left , right , or center (default).
textposition	Displays the text above the barcode.	Set to above .
font	Defines the font name, size and style.	Three comma-separated components; see the syntax below.
textcolor	Sets the text color as a hexadecimal value.	Example: F0F0F0 .

Font parameter syntax

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<Font Name>[,<Font Size>[,<Font Style>]]
Arial | Arial,12 | Arial,12,bold | Arial,,bold | ,12,bold | ,,bold
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Font Name	Arial (default), Calibri, Comic Sans MS, Consolas, Courier New, Georgia, Impact, Lucida Console, Lucida Sans Unicode, OCRB, Segoe UI, SimSun, Tahoma, Times New Roman, or Verdana.
Font Size	Font size in points (pt).
Font Style	regular, bold, or italic.

2 Subscription usage (paid service)

The following parameters apply to subscription usage.

Parameter	Description	Values / notes
accessid	Identifies the request.	Mandatory for subscription usage.
onerror	Controls error handling.	Use one of the values listed below.

Error handling values

show	Returns a bitmap (no svg) containing the error text. This is the default.
ignore	Returns an empty bitmap (no svg).

500	Returns HTTP status code 500 plus the error as plain/text .
204	Returns HTTP status code 204 (no content) without any information.

Usage limits

barcode.tec-it.com limits the number of requests per source IP. It can be used for emails, newsletters, testing purposes or low usage. Bulk requests are not supported; a separate paid service is available under a different URL. Proxy servers, for example in web mail accounts, may cause issues.

3 Supported barcode types

Set the **code** parameter to one of the identifiers below (**code=BarcodeType**).

3.1 General symbologies

Linear Codes

Code128	Code11	Code25IL
Code39	Code39FullASCII	Code93
Flattermarken	GS1-128	MSI
OneTrackPharmacode	TwoTrackPharmacode	TelepenAlpha

EAN / UPC

EAN8	EAN13	EAN14
EAN8CCA	EAN13CCA	UPCA
UPCE	UPCACCA	UPCECCA

ISBN

ISBN13	ISBN13P5	ISMN
ISSN	ISSNP2	

2D Barcodes

QRCode	MobileQRCode	DataMatrix
Aztec	CodablockF	MaxiCode
MicroPDF417	PDF417	MicroQR
HanXin	DotCode	RoyalMail2D
NTIN	PPN	

3.2 GS1 symbologies

GS1

GS1DataBar	GS1DataBarStacked
GS1DataBarStackedOmni	GS1DataBarLimited
GS1DataBarExpanded	GS1DataBarExpandedStacked
GS1-128CCA	GS1DataBarCCA
GS1DataBarStackedCCA	GS1DataBarStackedOmniCCA
GS1DataBarLimitedCCA	GS1DataBarExpandedCCA
GS1DataBarExpandedStackedCCA	

GS1 2D

GS1QRCode	GS1DataMatrix
GS1DigitalLink_QRCode	GS1DigitalLink_DataMatrix

3.3 Mobile tagging

Mobile Tagging QR Code

MobileQRUrl	MobileQRPhone
MobileQRSMS	MobileQRTwitterProfile
MobileQRTwitterStatus	MobileQRFacebookProfile
MobileQRFacebookLike	MobileQRLinkedInProfile
MobileQRLinkedInCompanyProfile	MobileQRLinkedInShare
MobileQRAndroidMarketPubSearch	MobileQRAndroidMarketPackSearch

Mobile Tagging Data Matrix

MobileSemaUrl	MobileSemaPhone
MobileSemaSMS	MobileSemaTwitterProfile
MobileSemaTwitterStatus	MobileSemaFacebookProfile
MobileSemaFacebookLike	MobileSemaLinkedInProfile
MobileSemaLinkedInCompanyProfile	MobileSemaLinkedInShare
MobileSemaAndroidMarketPubSearch	MobileSemaAndroidMarketPackSearch

Mobile Tagging Aztec

MobileAztecUrl	MobileAztecPhone
MobileAztecSMS	MobileAztecTwitterProfile
MobileAztecTwitterStatus	MobileAztecFacebookProfile
MobileAztecFacebookLike	MobileAztecLinkedInProfile
MobileAztecLinkedInCompanyProfile	MobileAztecLinkedInShare
MobileAztecAndroidMarketPubSearch	MobileAztecAndroidMarketPackSearch

3.4 Industry-specific and application codes

Banking and payments

EPCQRCode	SwissQRCodeV23	SwissQRCodeV23SCOR
SwissQRCodeV23QRR	SwissQRCodeV2	SwissQRCodeV2SCOR
SwissQRCodeV2QRR	SwissQRCode	ZATCAQRCode

Healthcare Codes

Health_Code32	Health_Flattermarken	Health_HIBCLIC128
Health_HIBCLIC39	Health_HIBCLICAztec	Health_HIBCLICCodaF
Health_HIBCLICDataMatrix	Health_HIBCLICMicroPDF	Health_HIBCLICPDF417
Health_HIBCLICQR	Health_HIBCPAS128	Health_HIBCPAS39
Health_HIBCPASAztec	Health_HIBCPASCodaF	Health_HIBCPASDataMatrix
Health_HIBCPASMicroPDF	Health_HIBCPASPDF417	Health_HIBCPASQR
Health_NTIN	Health_Pharma1T	Health_Pharma2T
Health_PPN	Health_PZN7	Health_PZN8

Business Cards

QRCode_Business_vCard	DataMatrix_Business_vCard
QRCode_Business_meCard	DataMatrix_Business_meCard

Postal Codes

AustralianPost	DAFT	DPD
JapanesePostal	KIX	KoreanPostal
PlanetCode12	RoyalMail	RoyalMailMailmark
RoyalMailMailmark2D	PostNet5	PostNet9
PostNet11	USPSIMPackage	UPUS10

Events

QRCode_Events	DataMatrix_Events
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Wifi

QRCode_Wifi	DataMatrix_Wifi
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Support and links

API endpoint	https://barcode.tec-it.com/barcode.ashx
TEC-IT website	https://www.tec-it.com
Support	support@tec-it.com