

Anyline Mobile SDK Datasheet v51.4

Anyline Mobile SDK is designed to be integrated into mobile apps on native environments like iOS, Android, and Universal Windows Platform (UWP), and a variety of cross-platform technologies like React Native, Flutter, Cordova and .NET MAUI. This datasheet covers the following Anyline versions:

Mobile SDK for Android	v51.4
Mobile SDK for iOS	v51.4
Mobile SDK for UWP	v51.4
Plugin for Flutter	v51.4
Plugin for React Native	v51.4
Plugin for Cordova	v51.4
Mobile SDK for .NET MAUI	v6.1

Disclaimer

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Requirements

	iOS	Android	UWP
Minimum OS Version*	iOS 12	Android 13 (API Level 33)	Windows 10
Camera Resolution	1080p video camera	Minimum: 720p video camera Recommended: 1080p video camera	Minimum: 720p video camera Recommended: 1080p video camera
Architecture	arm64 / x86_64 simulator	armeabi-v7a / arm64	x86
Recommended Tooling	Latest Xcode	Latest Android Studio	Visual Studio 2017
Wrappers	Cordova, Flutter, React Native, .NET MAUI	Cordova, Flutter, React Native, .NET MAUI	
Minimum SDK Size**	16.5 MB	41.5 MB	70 MB
Maximum SDK Size**	85 M	118 MB	70 MB

*Subject to change on a yearly basis. We will always strive to support at least the last 3 releases.

**Actual numbers may vary depending on the platform, operating system and or recognition task

Modules Overview

Anyline Mobile SDK contains a number of modules designed for capturing data from a range of different objects.

	iOS	Android	UWP	Cordova / Flutter / React Native / .NET MAUI
Tire DOT/TIN	✓	✓	✓	✓
Tire Size	✓	✓	✓	✓
Tire Commercial ID	✓	✓	✓	✓
Licence Plate	✓	✓	✓	✓
VIN	✓	✓	✓	✓
Vehicle Registration Certificate	✓	✓	-	-
Odometer	✓	✓	-	✓
Meter	✓	✓	✓	✓
Meter Serial Number	✓	✓	✓	✓
Barcode	✓	✓	✓	✓
ID	✓	✓	✓	✓
MRZ	✓	✓	✓	✓
Container	✓	✓	✓	✓
Custom Serial Number	✓	✓	✓	✓

Tire DOT/TIN

<u>Capabilities</u>	<u>Specifications</u>
<ul style="list-style-type: none">Tire Identification Numbers with and without DOT prefix	<ul style="list-style-type: none">Universal TIN mode:<ul style="list-style-type: none">Scans with or without DOT prefixAllowed characters: A-Z, 0-9Length: between 6 and 17 charactersThe last 4 characters must be digits and have to represent a valid production date (WWYY)DOT mode:<ul style="list-style-type: none">Scans only with DOT prefixOnly tires produced after the year 2000 are scannableAllowed characters: A-Z (excluding letters O, G, I, Q, S, Z), 0-9Length: between 6 and 17 characters including DOTThe last 4 characters must be digits and have to represent a valid production date (WWYY)

Tire Size

<u>Capabilities</u>	<u>Specifications</u>
	<ul style="list-style-type: none">Allowed characters: A-Z (excluding letters O and I), 0-9, /+&()Length: Up to 20 characters (single line only)

<ul style="list-style-type: none"> Tire specifications including: tire width, tire aspect ratio in millimetres, rim diameter in inches, load index (single or double), extra load rated tire, speed rating, fabric carcass construction, commercial tire designation, mud and snow winter tire, vehicle type recognition 	<ul style="list-style-type: none"> Supported formats () = optional: <ul style="list-style-type: none"> (X)000/00(X)X000(0)X (X)000/00(X)X00(X) (X)000/00X00X(0)00/(0)00X
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Tire Commercial ID

<ul style="list-style-type: none"> Manufacturer's ID code from Michelin, Continental, Goodyear, Pirelli/Prometeon, Bridgestone, CEAT, Salva (and more) tires on trucks, buses or trailers. 	<div>Specifications</div> <ul style="list-style-type: none"> Allowed characters: A-Z (excluding letter O), 0-9 Length: 7 - 14 characters (single line only) Regular expression: <code>[0-9A-NP-Z]{3}[0-9]{4,10}[0-9A-NP-Z]{0,1}</code>
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License Plate

<div>Capabilities</div> <ul style="list-style-type: none"> All EU countries + Albania, Bosnia-Herzegovina, Faroe Islands, Georgia, Gibraltar, Iceland, Kosovo, Moldova, Montenegro, North Macedonia, Norway, Russia, Serbia, Switzerland, Turkey, Ukraine and United Kingdom All US states + American Samoa, District of Columbia, Guam and Puerto Rico African countries with latin characters 	<div>Specifications</div> <ul style="list-style-type: none"> Allowed characters: A-Z (excluding letter O), 0-9 Length: 7 - 14 characters Limited support for two-line license plates for the following countries: Belarus, Belgium, Bulgaria, Croatia, Denmark, Estonia, Finland, Hungary, Latvia, North Macedonia and Romania No support for multi-line US plates Limited support for small two-line plates on light motorised vehicles such as mopeds State detection is not reliable for US vanity plates
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VIN

<div>Capabilities</div> <ul style="list-style-type: none"> Vehicle Identification Numbers 17 characters in length according to ISO 3779 	<div>Specifications</div>
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Vehicle Registration Certificate

<div>Capabilities</div> <ul style="list-style-type: none"> German Fahrzeugschein fields: document number [Nr], license plate [A Amtliches Kennzeichen], last name [C1.1 Name oder Firmenname], first name [C1.2 Vorname(n)], address [C1.3 Anschrift], first issued [B], manufacturer code [2.1], vehicle type code [2.2], vehicle identification number [E], brand, vehicle type [D.1], displacement [P.1], tire [15.1, 15.2, 15.3] 	<div>Specifications</div> <ul style="list-style-type: none"> Only available on native Android and iOS Allowed characters: A-Z, 0-9, à, á, â, ä, å, ç, è, é, ê, ë, í, î, ï, ñ, ó, ô, õ, ú, ü, ý, /+&()
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Odometer

<div>Capabilities</div> <ul style="list-style-type: none"> Digital Odometers 	<div>Specifications</div> <ul style="list-style-type: none"> Supported Formats: 0-9, up to 7 digits.
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Meter

Capabilities	Specifications
<ul style="list-style-type: none">Analog Meters: Gas, Electric, WaterDigital Meters: Gas, Electric, Water, changing/multi-values (often called "OBIS meter"), dot matrix displayDial Meters: Gas, WaterSelected Meter Types: A49U, C114U, C14U11, G1X4, W6060, MM2600F3, CM160J, CL204, ML262XF6, ML242XF6, C114U, G1Y6U, 7AA3061, 7CA5461, 7AA5041, 7CA5061-7Selected Meter Brands: AEG, Danubia DZG, Landis + Gyr, Reimer & Seidl, Schlumberger AEG, Schlumberger Danubia, Siemens, Uher	<ul style="list-style-type: none">Analog Meters: 4-10 pre-decimal digits, up to 3 decimal digits (Gas, Electric, Water), black red, metallic and white backgroundsDigital Meters: 7-segment display with at least 3 digits, 4-6 pre-decimal digits, up to 3 decimal digits (Heat)Dial Meters: 3-5 main dials and up to 1 (red) decimal dial (labeled with numbers), black or red dials on white background

Meter Serial Number

Capabilities	Specifications
<ul style="list-style-type: none">Serial numbers for a wide range of meter types and brands	<ul style="list-style-type: none">Uppercase alphanumeric codes

Barcode

Capabilities	Specifications
<ul style="list-style-type: none">1D Barcodes: Bookland EAN, Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, Databar, Databar Expanded, Discrete 2 of 5, EAN-8/JAN 8, EAN-13/JAN 13, EAN-14, EAN 18, EAN-99, GS1-128, GS1 Databar, Identcode, Inverse 1D, ISBN-10, ISBN-13, ISBT 128, ISMN, ISNN, ISSN EAN, Interleaved 2 of 5 (ITF), ITF-14, Leitcode, Matrix 2 of 5, MSI, RSS 14, RSS Expanded, Trioptic Code 39, UCC Coupon Code, UPC-A, UPC-E2D Barcodes: Aztec, Aztec Inverse, Aztec vCard, Data Matrix, Data Matrix Inverse, DotCode, GS1 QR Code, Maxicode, Micro QR Code, QR Code, QR InversePostal Codes: Netherlands KIX Code, UK Postal, UPU FICS Postal, US Postnet, US Planet, USPS 4CBStacked Linear Codes: PDF 417, Micro PDF417	<ul style="list-style-type: none">Stacked Linear Codes not support on UWP

ID

Capabilities	Specifications
<ul style="list-style-type: none">ID Card: Austria, Belgium, Bulgaria, Croatia, Czech Republic, Estonia, Finland, France, Germany, Hungary, Italy, Latvia, Lithuania, Luxembourg, Moldova, Netherlands, Norway, Poland, Portugal, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, US (ex. Louisiana and Tennessee), Mexico, Algeria, Egypt, Lesotho, Morocco, Tunisia, Bahrain, Kuwait, Jordan, Oman, Qatar, Saudi Arabia, UAE, Hong Kong, Pakistan	<ul style="list-style-type: none">ID scanning supports Latin, Cyrillic and Arabic scriptsID Cards fields (front only): additional information (1, 2) address, audit, authority, conditions, date of birth, date of expiry, date of issue, document discriminator, document number, duplicate, duration, endorsements, eyes, first issued, first name, full name, hair, height, last name, license class, license type, office, parish, personal number, place and date of birth, place of birth, previous type, restrictions, sex, weight

MRZ

<ul style="list-style-type: none">Driver's License: Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, UK, Ukraine, US, Canada (Alberta, BC, Manitoba, Nova Scotia, Ontario, Saskatchewan, Quebec), Algeria, Botswana, Egypt, Malawi, Morocco, Mozambique, South Africa, Tunisia, Zambia, Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, UAE (Dubai), Australia (ex. Tasmania), New ZealandResidence Permit: Turkey, Oman, Qatar, Saudi Arabia, UAEEHIC: Austria, France, Germany, Italy, Spain, UKMilitary ID / Disabled ID / Pensioner ID / Student ID: AustriaJapanese Landing Permission	<ul style="list-style-type: none">Driver's License fields (front only): additional information (1, 2), address, age, authority, card access number, city number, date of birth, date of expiry, date of issue, date of registration, degree of disability, division number, document discriminator, document number, duplicate, educational institution, endorsements, eyes, first issued, first name, folio, full name, hair, head of family, height, last name, license class, license type, maiden name, military rank, municipality number, nationality, parents first name, personal number, place and date of birth, place of birth, previous type, province, restrictions, sex, social security number, state number, voter ID, weightEHIC fields: authority, date of birth, date of expiry, document number, first name, last name, nationality, personal number, social security number
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Container

<p><u>Capabilities</u></p> <ul style="list-style-type: none">BIC-Codes (ISO 6346) and ILU-Codes (DIN EN 13044-1)	<p><u>Specifications</u></p> <ul style="list-style-type: none">ILU-Codes and BIC-Codes in one or two horizontal linesBIC-Codes (ISO 6346) in one vertical line
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