ecom Barcoding Tutorial

The automatic identification and tracking of items, in combination with direct collection and data entry, into computer systems or handheld devices, opens up possibilities to control, locate, and identify objects accurately. As technologies like bar codes, RFID, or voice recognition are used, there is no longer the need to enter data manually. Automatic Identification solutions are used in numerous industries such as asset tracking, chemical, healthcare, pharmaceutical, or warehousing and distribution.

If it comes to data capturing, ecom offers both - professional software and hardware based solution.


1D Barcode

The traditional 1D Barcode (also known as linear or one-dimensional barcode) pattern is made up of parallel lines in various widths and spaces. Originally they were scanned by specific barcode readers or optical scanners and they are mostly known for the usage at supermarket checkouts.

2D Barcodes

2D Barcodes (e.g. QR-Code or DataMatrix) are more compact and have the ability to encode more information on a smaller sized pattern than traditional 1D Barcodes. Even damaged barcodes can be read, up to a degree of 30%.

Additionally the 2D Barcode can be read multidirectional.

RFID Tag

RFID Tags (or "radio frequency identification") are trackable tags that exist in various sizes and shapes and can be attached to any object. These tags hold electronically stored information and can be read by specific RFID readers. Rather than barcodes, the RFID Tag needs not to be in sight of the reader, so it may be embedded in various objects.

NFC Tag

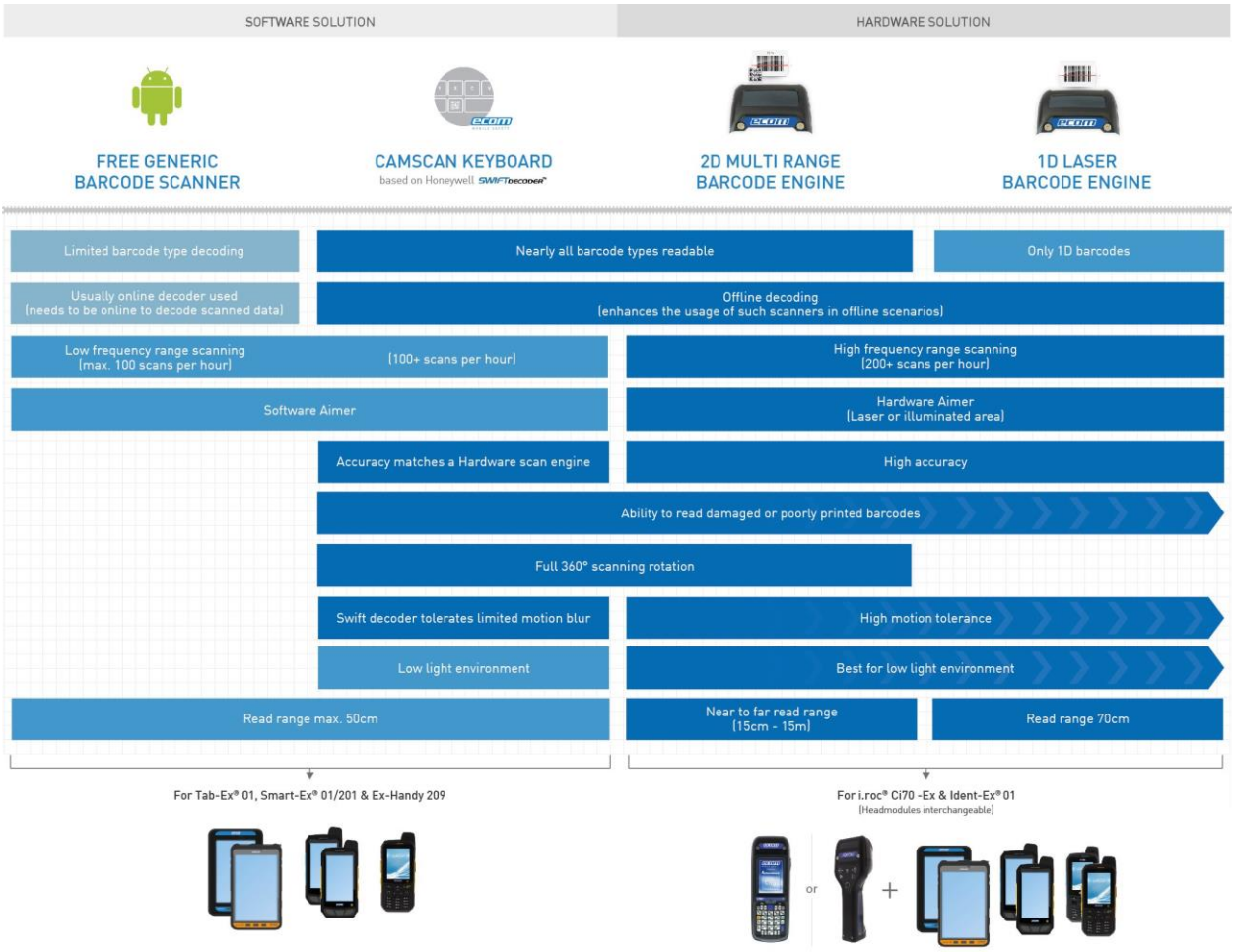
NFC (or "near field communication") is a technology that enables two separate devices (e.g. smartphone and receiver) to communicate and share data with each other on close range (4 cm / 2"). With additional apps you have the ability to read electronic NFC tags and even use access authorization systems for doors, for example.

Software Barcode Scanner

The ecom CamScan is a "keyboard wedge" software utility based on Honeywell´s SWIFTDecoder Mobile™ a professional offline barcode decode software, which uses the integrated front / rear camera to scan barcodes, automatically converting them to human readable text.

Triggering the scan is easy - simply press the Scan button added to the on-screen keyboard.

Audible and vibration feedback is given when the barcode has been decoded. And, the decoded barcode data automatically appears in the data field where you need it.



Software & Apps

ecom's App Library presents a wide collection of enabling and categorized applications designed to solve your business challenges. Please find below applications for **Scanning, Imaging and AutoID**:

eBARCODE

eBARCODE
ECOM Instruments GmbH

eSETUP Ident-Ex®

eSETUP Ident-Ex®
ECOM Instruments GmbH

eSETTINGS Ident-Ex® (API DEMO)

eSETTINGS Ident-Ex® (API DEMO)
ECOM Instruments GmbH

CamScan Keyboard

CamScan Keyboard
TEC-IT Datenverarbeitung GmbH

BluePiano DEMO

BluePiano DEMO
TEC-IT Datenverarbeitung GmbH

CE Term

CE Term
NaurTech

codeREADr

codeREADr
Skycore LLC

DATI-GS

DATI-GS
PRIVACOM (Ponci) Geneva Switzerland

FAT FINGER

FAT FINGER
SEE Forge

GeoPal

GeoPal
GeoPal

Inspector+

Inspector+
Wireless Network Solutions, Inc.

j5 Operator Rounds

j5 Operator Rounds
Hexagon

OmniMove MobileForms

OmniMove MobileForms
OmniMove Mobile Solutions bv

oxando Asset Management

oxando Asset Management
oxando GmbH

Pervidi

Pervidi
Techs4Biz Corporation

StayLinked SmartTE Terminal Emulation

StayLinked SmartTE Terminal Emulation
StayLinked

Touch Mobile

Touch Mobile
Mobile Epiphany, LLC.

TrackMobile

TrackMobile
AST SWISS AG

TRAK

TRAK
CNTRAL Inc.