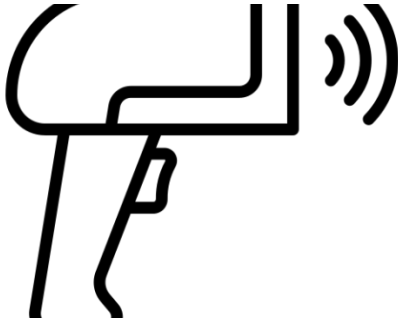


# Functional Tips for ScanWorkX



This month's tip for getting more from your ScanWorkX implementation

## One scan, many fields! Smart Barcode Design for ScanWorkX Mobile Applications

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ScanWorkX supports smart barcodes, which allow a single scan to update multiple ScanWorkX fields at one time. This is an excellent timesaver, and it is completely configurable. Here are some tips for configuring Smart Barcodes for your ScanWorkX mobile applications.

**Symbology Types and Field Identifiers:** The first step in configuring your Smart Barcode is tying a symbology type to your application. The existing D365 symbology types can be utilized, or custom types can be created. Right-click on the barcode type and choose View Details to add or modify the existing D365 symbology types.

After you have determined your Symbology type, you then need to define your Field Identifier scheme:

1. Using unique field identifiers - Use unique field identifiers when configuring a standard format such as GS1: (01)00309447651922(17)210318(21)000000508910(7004)750(10)TWB18002MG  
The screenshot below uses GS1-128 symbology.

The screenshot shows the 'Smart Barcode Setup' configuration screen in ScanWorkX. The application name is 'Item Inquiry' and the symbology is 'GS1-128'. The field identifier is 'Itemid'. The 'For Printing' and 'Enable Shortcuts' options are both set to 'No'. Below the setup options is a table titled 'Symbology Identifiers' with columns for Application Field, Hierarchy, Field Identifier, Field Length, Read-only After, Barcode Refere..., Parse Serials, Parse Variants, Parse Vendors, and Parse GTIN. The table contains the following data:

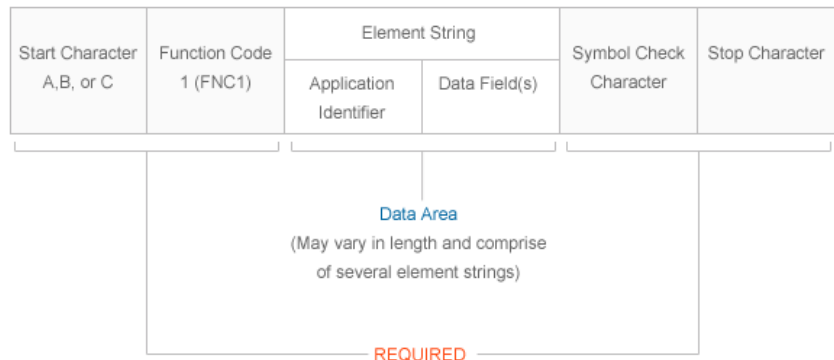
Application Field	Hierarchy	Field Identifier	Field Length	Read-only After	Barcode Refere...	Parse Serials	Parse Variants	Parse Vendors	Parse GTIN
inventBatchid	5	10	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Itemid	1	01	14	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
userTextField1	2	17	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
userTextField2	3	21	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
userTextField3	4	7004	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. All fields use the same field identifier - Use the same field identifier for custom, simple formats: M0001^B111^S123

Smart Barcode symbologies are assigned by application, site, and Field ID with additional qualifiers to determine barcode printing by Site, Warehouse, Customer, and/or Vendor. The qualifiers for Warehouse, Customer and Vendor may not be visible, but they can be added by right-clicking on the form and choosing “Personalize Header Group”. Any time an application prints and smart barcode symbology applies, the label drop file will contain an additional field called “SmartBarcode.”

After selecting or creating a Smart Barcode symbology type, you can complete the required fields on the “Symbology Identifiers” tab.

**Using the Parse GTIN feature:** The GTIN feature allows users to scan item GTIN or allows a GTIN included with other fields and automatically populate the Item ID and all dimensions that can be determined from a scanned GTIN by enabling “Parse GTIN” on your Smart Barcode. GS1 and other standards allow for an FNC1 character to terminate variable-length fields. FNC1 is a non-printing, non-readable character that is interpreted by the barcode scanner. Scanners are configured to translate FNC1 to a human-readable character before sending the barcode to ScanWorkX. Make sure your ScanWorkX field identifier is the same as your Translated FNC1 character.



**Item Number Cross-Reference Lookup:** D365 allows an Item Number to be looked up based on an alternate Item/Barcode. For example, you can find the D365 Item Number by first looking up the UPC code associated with the Item Number.

In ScanWorkX, when an Item Number is entered or scanned, if the information entered is not an exact match to a Dynamics 365 for Operations Item Number, ScanWorkX will look for an exact match in the Item Barcode table. If a match is found, ScanWorkX will look up the Dynamics 365 for Operations Item Number and return it to the Item Number field.

**Cloning Smart Barcodes:** Many applications share similar field names and smart barcode settings. You can save time by creating your first smart barcode format manually, then using the Clone Smart Barcode function to create a copy of those settings under a different application name.

**Examples:** Here are some sample smart barcodes and the appropriate ScanWorkX settings to implement them. All the examples below are configured for the Item Inquiry application.

**Semicolon-delimited:** [item];[config];[size];[color];[batch];[location]

## Symbology Identifiers

+ New Identifier  Delete

✓	Field ID	Hierarchy	Field ID	Int32
	ItemId	1		-1
	inventBatchId	5 ;		-1
	configId	2 ;		-1
	InventSizeId	3 ;		-1
	wMSLocationId	6 ;		-1
	InventColorId	4 ;		-1

Barcode preview examples for the Semicolon-delimited configuration:

itemwithdimensions;1;Large;Red;123456;01001A



ID87532;1;Large;Red;123456;01001A

**GS1-128 Standard:** (01)00309447351922(17)210318(21)000000408910~(7004)500~(10)BSQ18002AG

Application Field	Hierarchy	Field Identifier	Field Length	Read-only After	Barcode Refere...	Parse Serials	Parse Variants	Parse Vendors	Parse GTIN
ItemId	1	01	14	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
inventBatchId	2	10	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
userTextboxField1	3	17	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
userTextboxField2	4	21	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
userTextboxField3	5	7004	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Barcode preview example for GS1-128 Standard configuration:

(01)00309447351922(17)210318(21)000910~(7004)500~(10)BSQ1



(01)00309447351922(17)210318(21)000910~(7004)500~(10)BSQ1

I hope these tips help you to leverage the power of ScanWorkX Smart Barcodes feature for faster and more efficient transaction processing! For more information about Smart Barcodes for ScanWorkX, see page 81 in the ScanWorkX for D365 Admin Guide, or reach out to us at

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