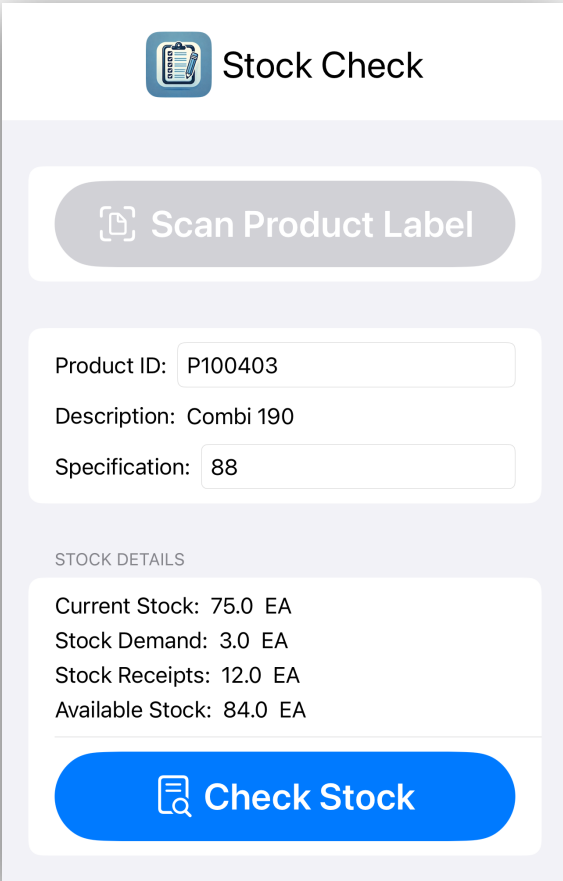


# iOS Stock Check App for SAP Business ByDesign®

The iOS Stock Check App for SAP Business ByDesign® allows you to check the stock position of your products effectively mirroring what you can see in product planning. It has been designed to be really simple to use, especially if you have barcoded product labels. It is available on the App Store at: <https://apps.apple.com/gb/app/stock-check/id1552786945>

The screenshot shows the 'Stock Check' app interface. At the top, there's a header with a clipboard icon and the title 'Stock Check'. Below this is a large button labeled 'Scan Product Label' with a barcode icon. Underneath, there are three input fields: 'Product ID:' with the value 'P100403', 'Description:' with the value 'Combi 190', and 'Specification:' with the value '88'. Below these fields is a section titled 'STOCK DETAILS' containing four lines of text: 'Current Stock: 75.0 EA', 'Stock Demand: 3.0 EA', 'Stock Receipts: 12.0 EA', and 'Available Stock: 84.0 EA'. At the bottom of the app screen is a large blue button labeled 'Check Stock' with a magnifying glass icon.

To check the stock availability via the app, you only need to enter the product code and product specification, if relevant, and then just click the 'Check Stock' button!

If you have barcode labels on your products, you can simply press the 'Scan Product Label' button.

The app supports many barcode types although it is recommended to use QR codes if possible as the iPhone or iPod decodes these much quicker and from a further distance than 1D barcodes.

The barcode types supported are:

**1D:** Code 128, Code 39, Code 39 (Mod43), Code 93, EAN8, EAN13, Interleaved 2 of 5, ITF-14 and UPC-E

**2D:** QR Code, PDF417, Data Matrix and Aztec

When you scan the product label barcode, the app will then query your ByDesign system to get the label details, including the product and product specification details. This may take a few seconds depending upon your network speed. You can amend the quantity manually if you are moving more than the label quantity.

# Application Settings

The first time you use the app you will be directed to the application settings screen where you can enter the SAP Business ByDesign system URL, username and password that will be used to connect to your system. You can also enter your site ID - please remember that if you go to a different warehouse on another site you will need to update this before checking stock availability.

If you are using application identifiers on your barcodes, which is quite common if you are using them elsewhere in the system, then you can enter these here too. The standard ByDesign application identifiers for labels is 97.

APP SETTINGS

Use Product Master Availability Check Scope Setting for Receipt Quantity Calculation: ☒

Enable Product Specification: ☒

Enable Label Scanning: ☒

Label Barcode Prefix: 97

Site ID: P1100

SAP® BUSINESS BYDESIGN SETTINGS

URL: https://my123456.sapbydesign.com

User ID: \_STOCKCHECK

Password: ●●●●●●●●

Product availability check

Availability Check Scope:

Stock and all receipts

All supply except unfirm receipts

Stock

Stock and all receipts


Stock and all receipts within horizon

Stock and released receipts

Stock and released receipts in horizon

Stock within horizon

Supply except unfirm receipts in horizon



SAP Business ByDesign Configuration Details

Show Help ☐

TENANT URL

https://my123456.sapbydesign.com

USER ID

\_STOCKCHECK

This is the communications arrangement user id and password, not your usual SAP Business ByDesign user account!

PASSWORD

●●●●●●●●

SITE ID

1000

Within the iPhone settings app, you have some additional configuration options to disable barcode scanning, choose whether to use the product master availability check scope setting, disable product specification support and update the SAP Business ByDesign settings available within the app itself. You can also amend the permissions for camera access and check which version of the app you have installed.

**Use Product Master Availability Check Scope Setting:** This changes whether the stock availability check uses the setting in the product master record or the default which is to use the equivalent of 'Stock and all receipts'.

**Enable Product Specification:** This enables or disables the product specification field; however a scanned label will always include the product specification regardless of this app setting

**Enable Label Scanning:** This enables or disables the ability to scan a product label

# SAP Business ByDesign Configuration

In order for the app to work with your SAP Business ByDesign system you will need to create a new communication arrangement.

You can view the official Communication Arrangements Quick Guide at: [https://help.sap.com/docs/SAP\\_BUSINESS\\_BYDESIGN/7c182c462ec043cba338a30b952068c7/2dd4cb73722d1014938ec0c0927d57ed.html?locale=en-US](https://help.sap.com/docs/SAP_BUSINESS_BYDESIGN/7c182c462ec043cba338a30b952068c7/2dd4cb73722d1014938ec0c0927d57ed.html?locale=en-US)

Please ensure you set the user authentication method to be username and password.

The web services, or APIs, required for the Stock Check app are:

- Determine Availability of Products
- Read Goods Tags
- Query Identified Stocks
- Query Materials

To create the communication arrangement, please follow these steps:

1. Go to Application and User Management - Communication Systems
2. Create a new communication system:
  - 2.1.ID: STOCKCHECK
  - 2.2.Host Name: STOCKCHECK
  - 2.3.System Access Type: Internet
  - 2.4.Add a System Instance with ID: STOCKCHECK and Preferred Application Protocol: 5 - Web Service
  - 2.5.Click Save and then activate it (Actions button)
  - 2.6.Finally click Save and Close

Basic Information		Internal Comment
ID: *	<input type="text" value="STOCKCHECK"/>	
SAP Business Suite:	<input type="checkbox"/>	
Host Name:	<input type="text" value="STOCKCHECK"/>	
System Access Type: *	<input type="text" value="Internet"/>	
<b>Technical Contact</b>		
First Name:	<input type="text"/>	
Last Name:	<input type="text"/>	
Email:	<input type="text"/>	
Phone:	<input type="text"/>	
Fax:	<input type="text"/>	
<b>System Instances</b>		
<input type="button" value="Add Row"/>   <input type="button" value="Remove"/>		
System Instance ID		Preferred Application Protocol
STOCKCHECK		5 - Web Service

3. Now go to Application and User Management - Communication Scenarios
4. Create a new communications scenario:
  - 4.1. Communication Scenario Name: STOCKCHECK
  - 4.2. Add the following operations (there are the Service Descriptions):
    - 4.2.1. Determine Availability of Products
    - 4.2.2. Read Goods Tag
    - 4.2.3. Query Identified Stocks
    - 4.2.4. Query Materials
  - 4.3. Click Save and Close to finish

Available Operations					
Add Oper...	Release Status	Operation Description	Service Description	Service Name	Dep... Object serv...
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Determine availability of produ...	Determine Availability of Products	ProductAvailabilityDeterminationIn	<input type="checkbox"/>

Communication Scenario Name: STOCKCHECK			
Assigned Operations			
<a href="#">Remove</a>	<a href="#">Add Operations</a>		
Release Status	Operation Description	Service Description	Service Name
<input checked="" type="checkbox"/>	Determine availability of products using selection criteria	Determine Availability of Products	ProductAvailabilityDeterminationIn
<input checked="" type="checkbox"/>	Find identified stocks	Query Identified Stocks	QueryIdentifiedStocksIn
<input checked="" type="checkbox"/>	Find materials	Query Materials	QueryMaterialIn
<input checked="" type="checkbox"/>	Read goods tags	Read Goods Tag	ManageGoodsTagIn

5. Go to Application and User Management - Communication Arrangements
6. Click New to create a new communication arrangement:
  - 6.1. Communication scenario = STOCKCHECK

1 Select Scenario

2 Define Business Data

3 Define Technical Data

4 Review

5 Confirmation

[< Previous](#)
[Next >](#)
[Finish ?](#)
[Close](#)
[Preview](#)
[Check Completeness ?](#)
[Save as Draft ?](#)

Communication Scenario	Communication Type
STOCKCHECK	Application Integration

- 6.2. Click Next
- 6.3. System Instance ID = STOCKCHECK

1 Select Scenario

2 Define Business Data

3 Define Technical Data

4 Review

5 Confirmation

[< Previous](#)
[Next >](#)
[Finish ?](#)
[Close](#)
[Preview](#)
[Check Completeness ?](#)
[Save as Draft ?](#)

Communication System

System Instance ID: \* STOCKCHECK

Communication System: STOCKCHECK

My Communication Data

My System:

Contact

Contact Name:

- 6.4. Click Next
- 6.5. Authentication Method = User ID and Password
- 6.6. Click Edit Credentials to set the password
- 6.7. Click Next
- 6.8. Click Finish

1 Select Scenario
2 Define Business Data
3 Define Technical Data
4 Review
5 Confirmation

Previous
Next
Finish
Close
Preview
Edit Advanced Settings
Check Completeness
Save as Draft

Communication Method:
Direct Connection

Inbound Communication: Basic Settings

Outbound Communication: Basic Settings

Inbound Communication Enabled:
☒

Application Protocol: \*
Web Service

Authentication Method: \*
User ID and Password

User ID: \*
\_STOCKCHECK
Edit Credentials

Services Used

Determine Availability of Pro...
Uses Basic Settings
Enabled

Now use the user ID \_STOCKCHECK and the password you entered in step 6.6 in the app settings!