

# Product List Column Layout Customization

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This tutorial guides you through customizing the product list table (`/products`) column layout in Ultimate POS.

## Overview

By default, the product image column stretches to full width, the product name column is narrow, and the business location column sits near the beginning of the table. This enhancement fixes the layout for a cleaner, more practical product list.

## What This Enhancement Changes

- **Product image** fixed to a **40x40px** thumbnail instead of full width
- **Product name** column expanded to take **full available width**
- **Business location** column moved to the **last position** in the table

## Benefits

- Better use of table space with a compact image thumbnail
- Product names are fully visible without truncation
- Less-used business location column moved out of the way

## Implementation Steps

### Step 1: Update Table Headers

**File:** `resources/views/product/partials/product_list.blade.php`

#### a) Change the image and product name headers

Find:

```
<th class="tw-w-full">{{__( 'lang_v1.product_image' )}} </th>
<th>@lang('messages.action')</th>
<th>@lang('sale.product')</th>
<th>@lang('purchase.business_location')
@show_tooltip(__( 'lang_v1.product_business_location_tooltip' ))</th>
```

Replace with:

```
<th>{{__( 'lang_v1.product_image' )}} </th>
<th>@lang('messages.action')</th>
<th class="tw-w-full">@lang('sale.product')</th>
```

### What changed:

- Removed `tw-w-full` from the image `<th>` so it no longer stretches
- Added `tw-w-full` to the product name `<th>` so it takes the remaining width
- Removed the business location `<th>` from this position (will be added at the end)

### b) Add business location header at the end

Find the last custom field header:

```
<th id="cf_7">{{ $custom_labels['product']['custom_field_7'] ?? '' }}</th>
```

Add **after** it:

```
<th>@lang('purchase.business_location')  
@show_tooltip(__('lang_v1.product_business_location_tooltip'))</th>
```

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## Step 2: Update DataTable JavaScript Columns

**File:** `resources/views/product/index.blade.php`

The JavaScript DataTable column order must match the new header order.

### a) Remove `product_locations` from its current position

Find inside the `columns: [...]` array:

```
{  
  data: 'product',  
  name: 'products.name'  
},  
{  
  data: 'product_locations',  
  name: 'product_locations'  
},  
@can('view_purchase_price')
```

Replace with:

```
{  
  data: 'product',  
  name: 'products.name'  
},  
@can('view_purchase_price')
```

**b) Add `product_locations` at the end of the columns array**

Find the last custom field column entry:

```
{
  data: 'product_custom_field7',
  name: 'products.product_custom_field7',
  visible: $('#cf_7').text().length > 0
},
],
```

Replace with:

```
{
  data: 'product_custom_field7',
  name: 'products.product_custom_field7',
  visible: $('#cf_7').text().length > 0
},
{
  data: 'product_locations',
  name: 'product_locations'
},
],
```

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**Step 3: Fix Product Image Size in Controller**

**File:** `app/Http/Controllers/ProductController.php`

Inside the `index` method, find the image column edit:

```
->editColumn('image', function ($row) {
    return '<div style="display: flex;"></div>';
})
```

Replace with:

```
->editColumn('image', function ($row) {
    return '<div style="display: flex;"></div>';
})
```

**What changed:** Added inline `style="width:40px;height:40px;object-fit:cover;"` to constrain the image to a fixed 40x40 thumbnail that crops proportionally.

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## Summary of Changes

File	Change
<code>resources/views/product/partials/product_list.blade.php</code>	Moved <code>tw-w-full</code> from image to product name header, moved business location <code>&lt;th&gt;</code> to last
<code>resources/views/product/index.blade.php</code>	Moved <code>product_locations</code> column to end of JS columns array
<code>app/Http/Controllers/ProductController.php</code>	Added 40x40px inline style to product image

## Result

Before	After
Image column takes full width	Image is fixed at 40x40px
Product name column is narrow	Product name column takes full width
Business location is column 5	Business location is the last column