

02. Product Management

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This chapter has 3 parts:

Basic Setting

Configuration of displaying style of category links, category contents, and product details and discount calculations

Attributes

Product Attribute Management

Product Categories

Products and Categories

- Category Display Method: Expand All or Hierarchical
- Display Category Product Count: Check illustration
- Display Root Icon: Check illustration
- Display Subcategory Icon: Check illustration

Category Content Setting

LOC: : Business Management > Product Mngt

Click on the [Category Content Setting](#) Panel

Here controls how category contents are displayed

- **Category Content Display Method:** List mode or Matrix mode
- **List Mode Page Size:** Number of Product per page
- **Matrix Size:** Number of rows and number of columns
- **Default Category Layout:** Default product category (Some layout contains component that the display method is already fixed that the above settings become invalid). You can still choose other layout when creating new categories or editing category properties
- **Search Result Display Method:** -
- **List Mode Page Size:** (Check figure 1)
- **Dot Matrix Size:** (Check figure 2)
- **Layout:** Search result layout
- **Thumbnail Size:** The width and height of product thumbnail image
- **Thumbnail Size (Invoice):** The width and height of the thumbnail image for products when it is set to appeared in invoice or checkout list
- **Latest product display matrix size:** Latest products would be shown in some particular region, the 2 figures control the number of rows and columns of such displayed products.
- **Display Price:** According to different needs of different application, some clients want to hide products (Such as trading and enquiry systems)
- **Display Add-to-Cart button at front end:** For non-shopping system, this option should not be checked. For shopping system, sometimes, such add-to-cart button are not shown for the purpose of tidiness
- **Sold Out processing:** When product is out of stock, how the product should be displayed must be set (**Disable from selling** means the clients can still check product detail but would not be able to add it to cart, **Disable from displaying** means that the product cannot be viewed from front end, **Default** means the product can still be bought)

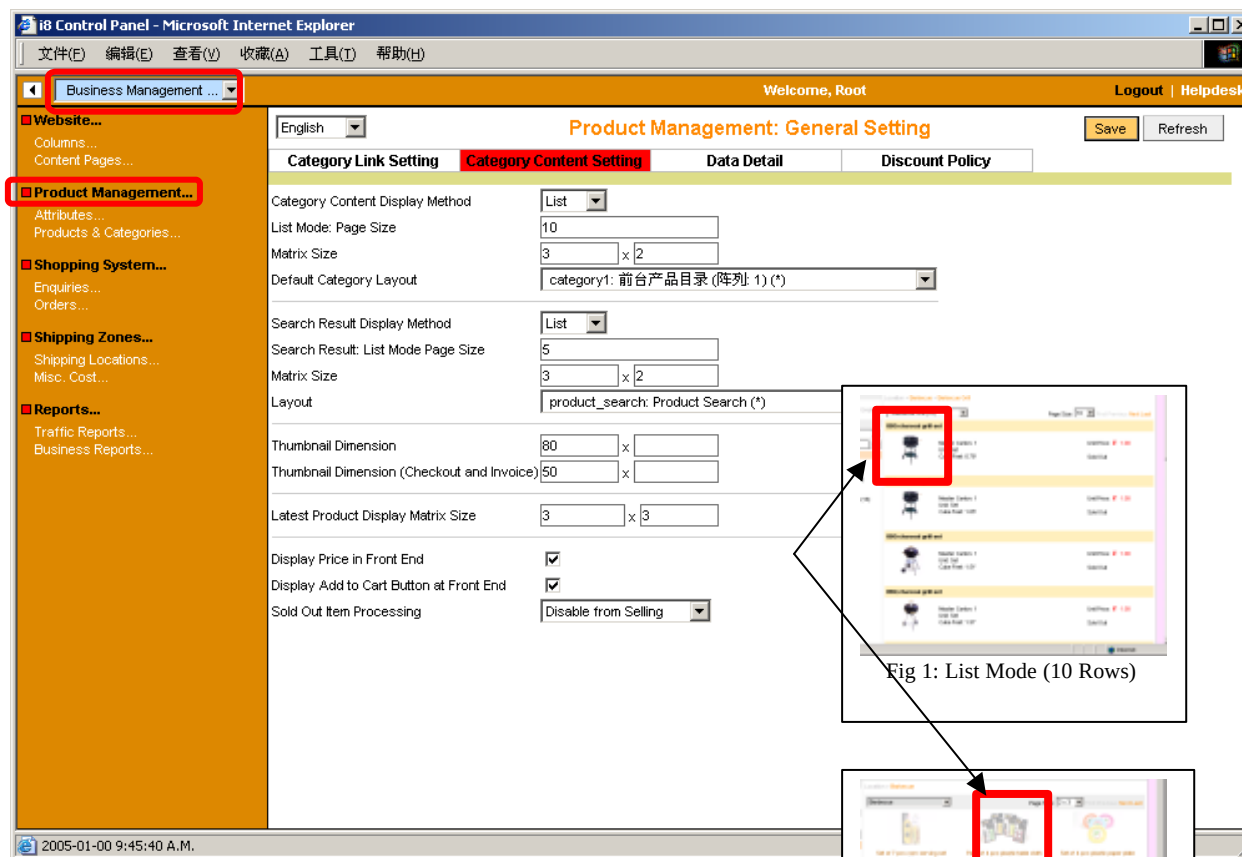


Fig 1: List Mode (10 Rows)

Fig 2: Matrix Mode (3 x 2)

Product / Data Detail

The screenshot shows the i8 Control Panel in Microsoft Internet Explorer. The browser window title is 'i8 Control Panel - Microsoft Internet Explorer'. The address bar shows 'Business Management ...'. The main content area is titled 'Product Management: General Setting' and has tabs for 'Category Link Setting', 'Category Content Setting', 'Data Detail' (selected), and 'Discount Policy'. The 'Data Detail' tab contains the following settings:

- Product Detail Display Method: In page
- Default Detail Layout: product_detail (*)
- Popup Window Size: 600 x 500
- Display Attribute Name in Detail Page: ☒
- Data Detail Page Separator for Images:

- Data Detail Page Separator for Flashes:

- Detail Page Flash Size: 200 x 200

The left sidebar has a tree view with the following items:

- Website...
 - Columns...
 - Content Pages...
- Product Management... (highlighted)
 - Attributes...
 - Products & Categories...
- Shopping System...
 - Enquiries...
 - Orders...
- Shipping Zones...
 - Shipping Locations...
 - Misc. Cost...
- Reports...
 - Traffic Reports...
 - Business Reports...

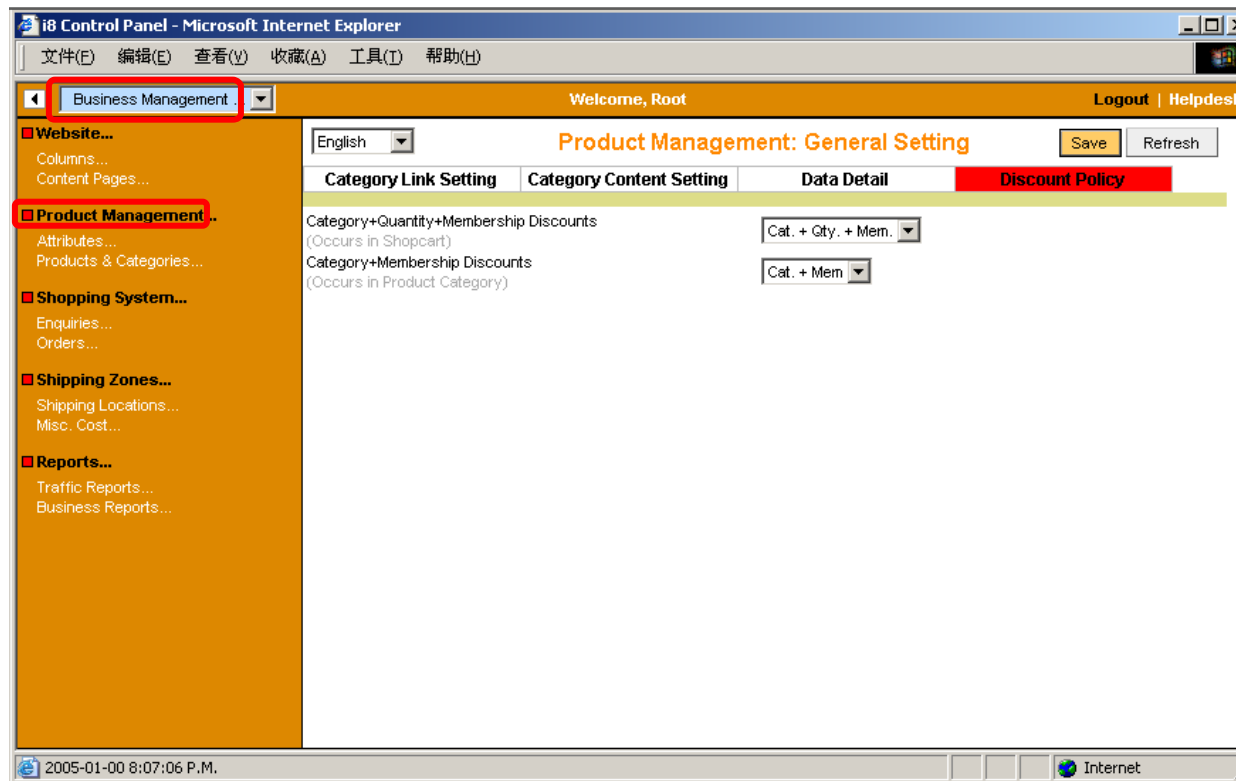
The status bar at the bottom shows the date and time '2005-01-00 10:07:19 A.M.' and the Internet icon.

LOC: : Business Management > Product MngtClick on the [Product/Data Detail](#) Panel

Here are the settings for product detail displaying

- **Display Method:** Display detail in popup window or current page
- **Default Layout:** Default Layout for product details (Recommended to use default layout when there is a huge number of products)
- **Popup window size:** The size of the popup window
- **Display Attribute Name in Detail Page:** For some system, only product attribute values are to be displayed
- **Image Separator:** Separator between large images of products (This is useful when these images are cut from a large image)
- **Flash Separator:** Same as above
- **Flash Size:** Product attribute of flash type would not be shown if size is not given.

Discount Policy



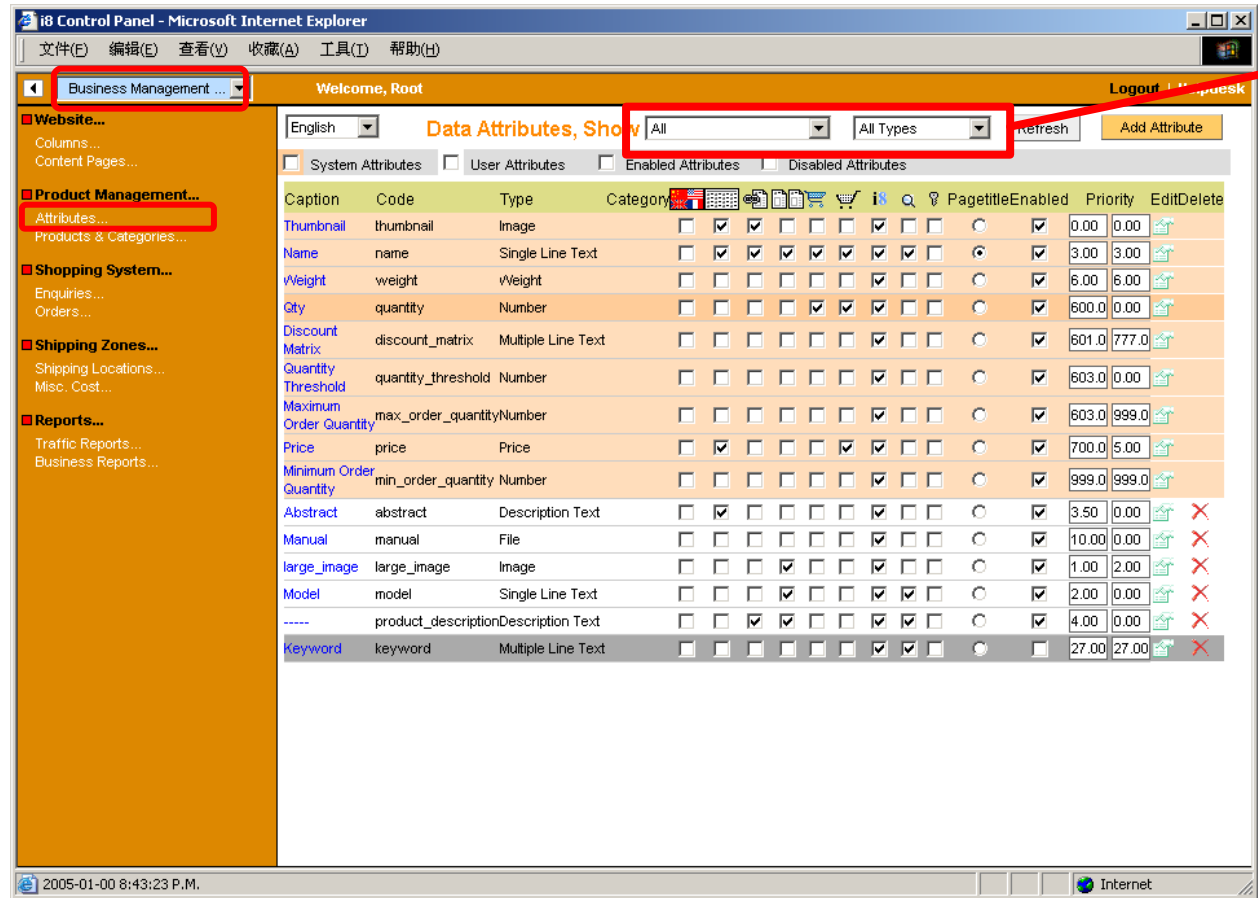
LOC: : Business Management > Product Mngt

Click on the [Discount Policy](#) Panel

Discount policy controls how product prices are displayed when multi-discount rates applicable to product price at the same time. For example, we have category discount, purchase quantity discount, member discount, etc.

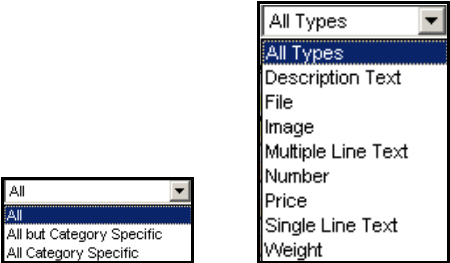
- **Category + Quantity + Member discounts:** This happens frequently in shopping carts (Default setting is the multiplication of this discounts)
- **Category + Member discounts:** This would happen frequently when displaying product categories (Default setting is the multiplication of all discounts)

PRODUCT ATTRIBUTES



LOC : Business Mgt. > Product Attributes

Attribute selection criteria (Check the figures below)



Category selection

Attribute Type Selection

When there are too many attributes, users can select attributes according to the following criteria

☐ System Attributes ☐ User Attributes ☐ Enabled Attributes ☐ Disabled Attributes

Disabled attributes are displayed in rows of background in gray color and such attribute will not be shown in product management page. System attributes cannot be deleted.

- **Caption:** The names of the attribute (Which are displayed in different parts of i8 system)
- **Code:** Unique code of attribute (Used for system upgrade)
- **Type:** Type of the attribute

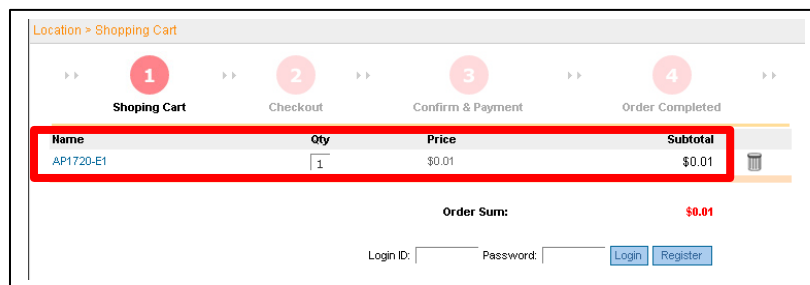
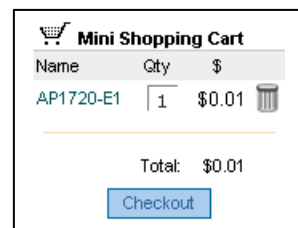
Type	Description
Single-Line Text	Descriptive text (Maximum 255 characters)
Multi-Line Text	Descriptive text (255 characters with Line return)
Description	Descriptive text (Maximum 4000 characters)
Number	Numerical attributes
Option	Multi-Value (Such as color & Size ¹)
Price	Price (Appended with currency symbol)
Weight	Price (Appended with weight symbol)
Image	Product images (Product thumbnail must be coded with thumbnail)
Flash	Product attributes of type Flash

¹ Option must be first defined in "Configuration / System Options"

System Attributes & Special Attributes

System Attributes			
Caption	Code	Type	Description
Thumbnail	thumbnail	Image	Product thumbnail
Name	name	Text	Product name
Weight	weight	Weight	Product weight
Price	price	Price	Product price
Quantity	quantity	Number	Product Stock ²
Discount Matrix	discount_matrix	Multi-Line Text	Relationship between price & buying quantity (Usage: 5=100, 10=%80, 50=%60 ³)
Qty. Threshold	quantity_threshold	Number	Product stock lower then the threshold will trigger to send email alerts
Max. Order Qty.	max_order_quantity	Number	To prevent all product bought by just one client
Min. Order Qty.	min_order_quantity	Number	To increase sales volume
Special (For Special purpose)			
Caption	Code	Type	Description
SKU ⁴	product_sku_attribute	Text	As a product stock keeping unit (Example)
Password	password	Text	Suitable for selling of Phone cards or invisible products which have passwords, must be used with SKU
Keyword	keyword	Text	Used as reference field when search for products

- **Category Specific Attribute:** Such attributes only applicable to the specified category which inherits (Sub category products would have the same attribute)
-  Multi-Lingual Attribute
-  Display in Front End (Category)
-  Link to detail page
-  Display in product detail page
-  Display in Mini Shopping Cart
-  Display in shopping cart / enquiry basket
-  Display in backend admin panel
-  Searchable (Search engine would only search within searchable attributes)
-  Private (Member only attribute)
- **Page Title:** Page title in product detail page
- **Enabled:** Trigger visibility of attribute
- **Priority:** Display priority of attribute (Left for priority in list page and right box for the priority in detail page)
- **Edit:** Click to edit the attribute property
- **Delete:** To delete product attribute values (Caution! All product values would be deleted and un-recoverable, please better use the ENABLE checkbox for the same effect). System attributes are not allowed to be deleted



² If quantity is of SKU controlled, then the total quantity of the product will be auto-updated while updating SKU quantity

³ It represents that buy 5 for \$100 each, buy 10 for 20% off, buy 100 get 40%, etc. (Separated by comma, ",")

⁴ SKU (Stock Keeping Unit), the real identity of products which have color, size variations

Add / Edit attribute

LOC: : Business Mgt. > Product Attributes

Click Add Attribute or Edit Attribute

- **Type:** Attribute type (Do not change system attribute type)
- **Attribute Name (Code):** Unique & Alphanumeric characters attribute identification (System attribute code is not allowed to be changed, changes to user attributes code should first click empty web space for the system to check the validity of attribute)
- **Caption:** Attribute Caption for Identification
- **Enabled:** Trigger the visibility of the attribute
- **Priority:** Display priority of the attribute in list page
- **Priority (Detail page):** Display priority of the attribute in product detail page
- **Bounded to:** Category specify attribute setting
- **Product category:** Category for the attribute if the "Bounded to" is set to category specific
- **Option Name:** The attribute value is an option, such as color, size, manufacturer, etc.
- **Multi-Lingual:** The attribute is of multi-lingual
- **Display in List page:** -
- **Link to Detail Page:** -
- **Display in Detail Page:** -
- **Display in Cart/Basket:** -
- **Display in Admin page:** -
- **Set as Page Title:** -
- **SKU Support:** The attribute has Stock Keeping Unit varieties such as color, size, etc. (**Full support** means the attribute can be a master or slave SKU attribute, **Master** means this other SKU attribute values varies according to the input value of this attribute, **Slave** means this attribute varies according to values of other attributes)

Edit Attribute : Abstract

Type: Description Text

Attribute Name (Alphanumeric): abstract

Caption: Abstract (English), 產品簡介 (繁體中文), 产品简介 (简体中文)

Options:

- Enabled: ☒
- Priority: 3.50
- Priority in Detail Page: 0.00
- Attribute Bounded to: All Categories
- Product Category: [Dropdown]
- Option Name: [Dropdown]
- Multilingual [M]: ☐
- Display in List Page [C]: ☒
- Link to Detail Page [L]: ☐
- Display in Detail Page [D]: ☐
- Display in Enquiry/Basket Page [B]: ☐
- Display in Admin Pages [A]: ☒
- Set As Page Title: ☐
- SKU Support: No Support

Product Admin Page

Thumbnail	Description	Keyword	Item Number	Product Name	Package	Weight	Inner Box	Unit	Cube Feet	Minimum Order	Image 1	Image 2	Image 3	Price	Discount Matrix	Quantity	有效	只限会员	促销	排序	编辑
	BBQ charcoal grill		33984	BBQ charcoal g	Each set per pri	NL	Set	2.04'	11736					1			☒	☐	☒	33984	
	BBQ charcoal grill		33983	BBQ charcoal g	Each set per pri	NL	Set	1.32'	9000					1			☒	☐	☒	33983	
	BBQ charcoal grill		33982	BBQ charcoal g	Each set per pri	NL	Set	1.30'	8400					1			☒	☐	☒	33982	
	BBQ stainless steel grill		33981	BBQ stainless s	Each set per pri	NL	Set	3.72'	2100					1			☒	☐	☒	33981	
	BBQ stainless steel grill		33980	BBQ stainless s	Each set per pri	NL	Set	3.72'	2100					1			☒	☐	☒	33980	

PRODUCT CATEGORIES

Business Management ... Welcome, Root Logout Helpdesk

English Products/Data Categories Add Category Refresh

Category Caption	Code	Layouts	Shippable	Returnable	Discount	Enabled	Priority
IT Products	data_14285762178	Level 1 Category	☒	☐	100.00	☒	1.00
Asus	c_OPUCk7g6bU2JlOIHneBVRgmEW0eQ...	Level 1 Category	☒	☐	100.00	☒	0.00
Notebook Computer	c_yyNKcXUJmLpbT1fLRVTIRsSSLKx...	Level 1 Category	☒	☐	100.00	☒	0.00
Server (10)	c_nyKwXc6IV00gvJp1j41BBc4qkhpP...	Level 1 Category	☒	☐	100.00	☒	0.00
CISCO	c_lHRgnFKNjgImnGJfshzJwJvNPj...	Level 1 Category	☒	☐	100.00	☒	0.00
CiscoWorks2000	c_Ks5CrH3ahY82VdHZmk0mxwhla3n8...	Level 1 Category	☒	☐	100.00	☒	0.00
Gateway	c_QLkDuqvYu8YXAKGNj5XsH8VEW05p...	Level 1 Category	☒	☐	100.00	☒	0.00
Network Storage	c_ieGHb2eNGZYARnoYZB7W9sPQVHOy...	Level 1 Category	☒	☐	100.00	☒	0.00
Router	c_Easj5v0HOoQGWFIBpInHpPNxLR...	Level 1 Category	☒	☐	100.00	☒	0.00
VPN Devices	c_RlINkRnNBZShlrPmTMFhdKYNlgh...	Level 1 Category	☒	☐	100.00	☒	0.00
Lenovo (6)	c_1wvexTK10hOsvOCeCs83RAOhvZX...	Level 1 Category	☒	☐	100.00	☒	0.00
TY Series	c_29KK9mHFNyV3WdOZSlkwdPg54E...	Level 1 Category	☒	☐	100.00	☒	1.00
XR Series	c_E3wvAKlapmPun62nZhsU8pHZVt6m...	Level 1 Category	☒	☐	100.00	☒	2.00
ZY Series	c_twszZLurxahxy9eVWQbFGcxj8IPv...	Level 1 Category	☒	☐	100.00	☒	3.00
Home PC	c_f1GX47MP3i3x25b8ExCbmFIPcEOg...	Level 1 Category	☒	☐	100.00	☒	4.00
Business PC	c_YwvZJcEUvY1njrDXT8MyjYNXPdF...	Level 1 Category	☒	☐	100.00	☒	5.00
SOHO Workstation	c_jrGHkrRUsJqVW6PwlbxzuulGhxa...	Level 1 Category	☒	☐	100.00	☒	6.00
Other Products (5)	data_11675865030	Level 1 Category	☒	☐	100.00	☒	2.00
ConverPhone	c_gDmIm5abP3m5JbXro6CcwKwvP...	Level 1 Category	☒	☐	100.00	☒	0.00
Power Saving Devices	c_JRjhBxVgVUahK8hVkmvGbgA4gSQx...	Level 1 Category	☒	☐	100.00	☒	0.00

2005-01-01 2:35:56 A.M. Internet

LOC: : Business Mgt. > Products & Categories

- **Caption:** Name of the category (multi-lingual), the number after it is the number of products in the category. Click the name to manage the products. Click the gray icons (Plus / Minus) to Expand or Collapse sub categories
- **Code:** Unique access code for the category
- **Layout:** The layout of the category
- **Shippable:** If checked then all products in the category should be shippable. (Must be shippable for shipping cost calculation). Virtual products such Phone cards are not shippable.
- **Returnable:** Shippable products eligible for returning (Virtual products are excluded)
- Private category for members only
- **Discount:** Category discount (Valid when the checkbox is checked, inside the box, please enter any number from 0 to 100)
- **Enabled:** Trigger the visibility of the category in front end
- **Priority:** Display priority of the category in category links
- Edit category
- Add sub category
- Delete category (Cautious use as all products will be permanently deleted)

Add /Edit Category – Category Caption

Interface of old version, basically the same

LOC: : Business Mgt. > Products & Categories

Click [Edit Category](#) button or [Add New Category](#)

Button then click the [Category Name](#) Tag

- **Category Name:** Name of the category (Multi-Lingual)
- **Enabled:** Trigger category visibility
- **Access Code:** Unique access code for category (Alphanumeric characters suggested. If no code is specified, system will auto-assign one after save)
- **Category Link Type:** Either a normal category link, external link or internal web page (Default is product page, internal web page has been cancelled and replaced with external URL)
- **External Link:** URL of the external link⁵, For example,
(/cgi-bin/i8_user_page.cgi?access_code=contact_us, <http://www.i8series.com>)

⁵ External Link please remember to remove the prefix domain name, for example, if your website is <http://www.abc.com>, and your copied URL is http://www.abc.com/cgi-bin/i8_user_page.cgi/access_code=abc, then please fill in the external link input box with: /cgi-bin/i8_user_page.cgi?access_code=abc

Add /Edit Category – Advanced Setting

The screenshot displays the 'Edit Category' advanced settings in the i8 Control Panel. The interface is divided into a left sidebar and a main content area. The sidebar contains navigation links for Website, Product Management, Shopping System, Shipping Zones, and Reports. The main content area is titled 'Edit Category' and includes a 'Category Name' field set to 'Advanced'. Below this, there are several configuration options: Admin (admin), Parent Category (None), Priority (1.00), Private Category (unchecked), Show Peer (unchecked), On Sale (unchecked, 100.00%), Link Target (Self), Category Layout (category1: Level 1 Category (*)), Use Specific Options (No), Shippable (checked), and Returnable (unchecked). On the right side, there are checkboxes for 'Use Image for Category Link' and 'Use Hover Image for Category Link', each followed by a '浏览...' (Browse) button. A red arrow points from the 'Use Image for Category Link' checkbox to a preview window showing a search results page with images for 'New Collection', 'Diamond Jewelry', and 'Pearl Jewelry'.

LOC: : Business Mgt. > Products & Categories

Click [Edit Category](#) button or [Add New Category](#)

Button then click the [Advanced Setting](#) Tag

- **Admin:** Administrator of the category
- **Parent Category:** The parent category of the category (For system to determine category relation)
- **Priority:** Display priority of the category
- **Private:** Private category for members only
- **Show peer link:** Display peer category link of the same level at specific position
- **On Sale:** The category is on sale, please fill in the text box with number range from 0 to 100
- **Link target:** The target of the link
- **Layout:** Category Layout (Suggested to use system default)
- **Specific layout option:** Instead of using the default layout option of the chosen layout, you can choose to overwrite it with your own layout options such as background, color, etc.
- **Shippable:** Tangible products should be in a shippable category for shipping cost calculation
- **Returnable:** Products of the category can be returned (Usually only for shippable products)
- **Use Image for category link:** Use image instead of text as category link
- **Use Hover image for category link:** Replacing image when mouse hover the link image

Product Management – Product List

Header in orange color means it is multi-lingual. You should switch to other available language for editing

Category name and number of products

Current category with page size selection

Product : Server (10)

Preview for Image or Flash attributes, click browse to update the media with the one from your local hard disk (Restricted by uploading speed, you are recommended to upload another media until you can preview the previously uploaded media)

Attribute type of file type, click browse to locate file to be uploaded from your hard disk (Please adjust your uploading interval suitable for your connection speed)

Simple text, just fill in with text and click empty space on the web page to update

Product controls

LOC: : Business Mgt. > Products & Categories

Click category name to view the product list

- **Attributes 1...N:** Product attributes, please refer to the left
- **Enabled:** Toggle the visibility of product
- **Private:** Product for member only
- **On Sale:** On sale product will be displayed separately for different system at different positions
- **Priority:** Display priority of products in a category
- **Edit:** Edit the product
- **Delete:** Delete the selected product (Multi-selection supported)

Quick Add: Add 5 new products for quick editing at once clicked

Tip: Discount Matrix format:: 5=100, 10=%80, 50=%60⁶

⁶ Means buy 5 for \$100 each, buy 10 for 20% off, buy 100 for 40% off, etc. (The discounts should be separated by comma)

Add / Edit Product

Attribute Input boxes

SKU Option
(Please refer to previous pages on product attribute management)

Options

LOC: : Business Mgt. > Products & Categories

Click category name to view the product list then click to edit product

SKU Control: Choose the SKU type for attribute (Master, Slave)

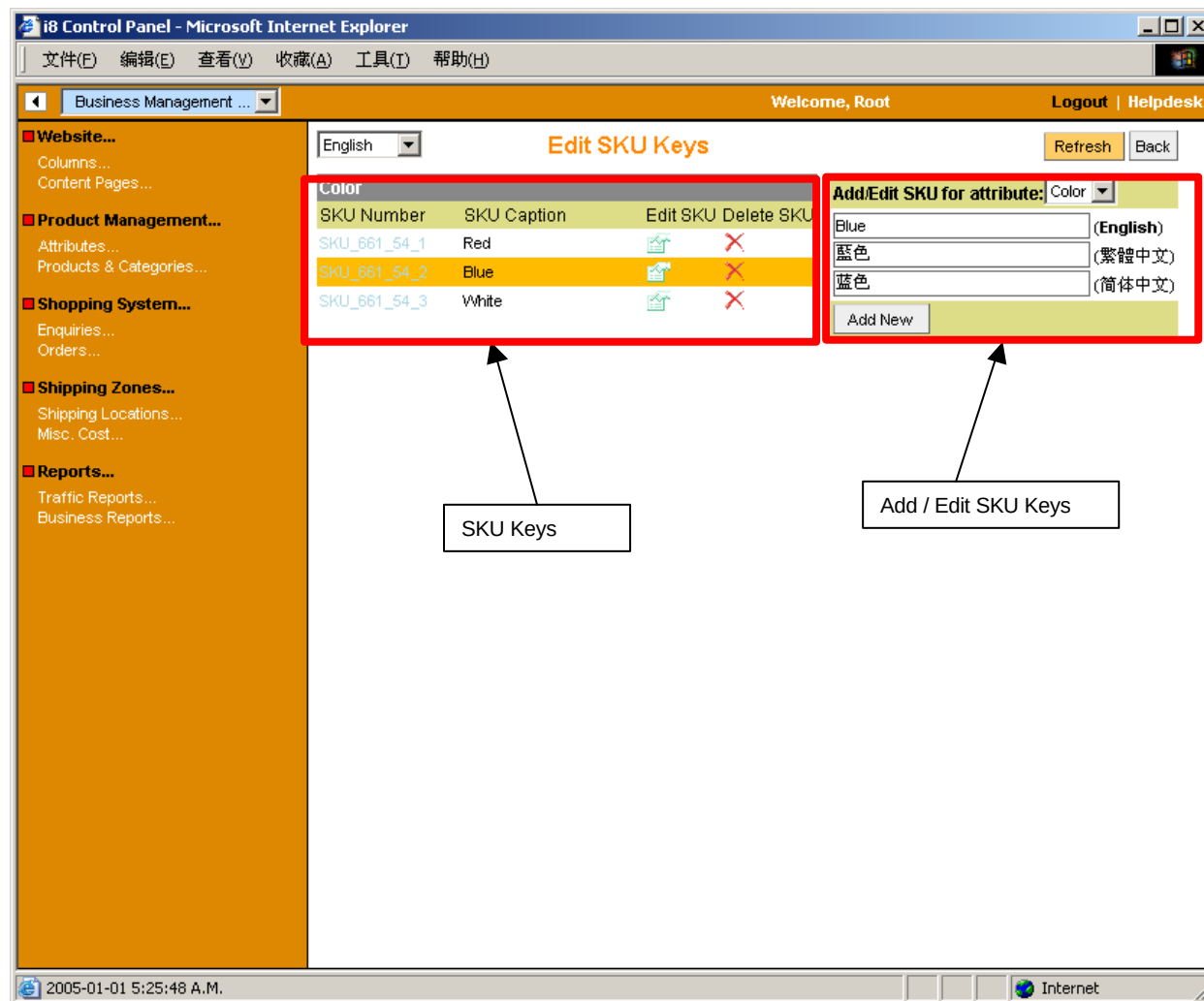
Attributes 1...N: Fill in attribute values

- **Enabled:** If product is visible in front end
- **Access Code:** Unique access code for products (Auto-generated if no specific code is entered)
- **SKU:** The product has SKU options (Not necessarily having SKU selection for members)
- **SKU Selection:** The product has SKU options for buyers to choose from, such as shippable products. (Virtual products, especially those with passwords are not recommended to have this option checked)
- **Private:** For members only
- **Promotion:** The product is on promotion, which will be shown in promotion region in front end
- **Promotion Start:** Start date of promotion (yyyy-mm-dd)
- **Promotion End:** End date of promotion (yyyy-mm-dd)
- **Priority:** Product display priority
- **Category:** Category of the product

To manage product SKU options, click on the button on the top right: "Edit SKU Keys"

⁷ Master SKU attributes are keys of variations, such as color, size. Slave SKU attributes means those vary with master keys, such as price and quantity. (In real world, products of different colors and different sizes could have different price and so does it to their stocks). For virtual products, such as Phone cards, we usually set the Card number as Master, and the password as Slave attribute

Add / Edit Product (SKU Keys – values for master attributes)



LOC: : Business Mgt. > Products & Categories
Click category name to view the product list then click to edit product. Click the [edit SKU keys](#) after you set some attribute to be SKU master and some to SKU slave.

SKU Keys: On the left shows some variation of a product. (For example, red car, blue car and white car)

Add New / Edit Key: Add new or Edit exiting SKU keys as needed

Add / Edit Product (SKU Values, values for slave attributes)

The screenshot displays the 'i8 Control Panel' within a 'Microsoft Internet Explorer' window. The browser's address bar shows 'Business Management ...'. The page title is 'Welcome, Root' with 'Logout | Helpdesk' links. The left sidebar contains a tree view with categories: Website..., Product Management..., Shopping System..., Shipping Zones..., and Reports... The main content area is titled 'Edit SKU Values (3)' and features a table with two columns: 'SKU Keys' and 'Values'. The 'SKU Keys' column has a sub-section 'Color' with three entries: '(SKU_661_54_1) Red', '(SKU_661_54_2) Blue', and '(SKU_661_54_3) White'. Each entry has a corresponding input box in the 'Values' column. Above the table, there are buttons for 'Remove SKU Values', 'Refresh', and 'Back'. The browser's status bar at the bottom shows the date '2005-01-01 5:32:18 A.M.' and the word 'Internet'.

LOC: : Business Mgt. > Products & Categories
Click category name to view the product list then click to edit product. Click the [edit SKU Values](#) after you have already set SKU Keys for master attributes.

SKU Keys: As shown on the left, which are the keys we previously set

SKU Values: On the right, we have input box for prices varying on color. (Which means, for different color, we can have different price)