

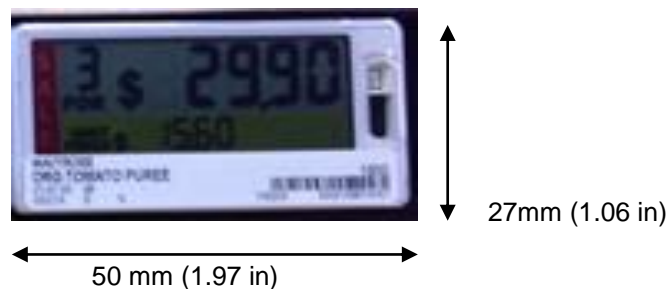
**Dagangan** : ELECTRONIC PRICE TAGS  
Nama Perdagangan : Electronic Shelf Label  
Jenama : Pricer  
Model : E-Series

**Kod Tarif (Perintah Duti Kastam 2012)** :  
8543.70 990 (PDK 2012)  
8543.70.90 00 (PDK 2017)  
**Tarikh Kelulusan** : 06 April 2017

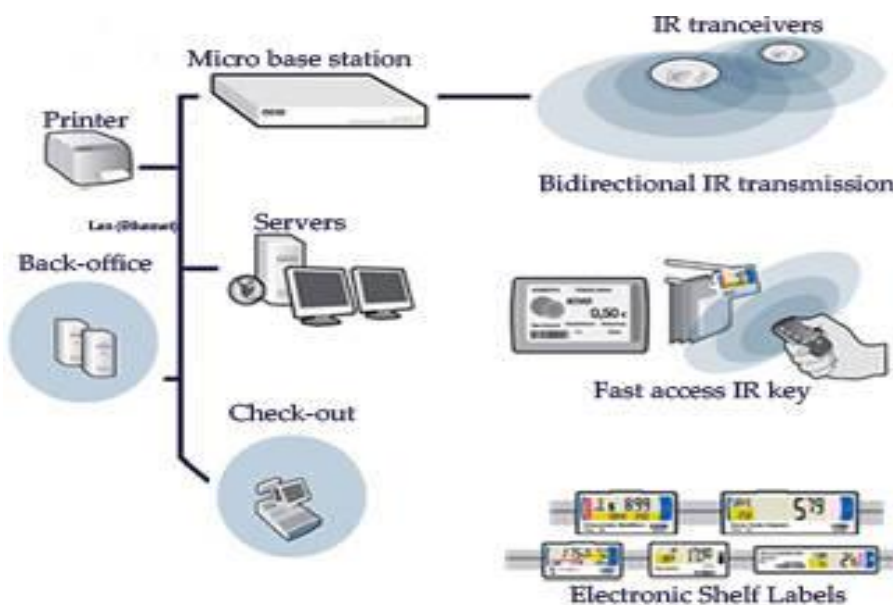
**Keterangan barangan :**

Barangan dinamakan sebagai "**Electronic Shelf Label**" (**ESL**). Barangan digunakan sebagai label untuk memaparkan maklumat harga, berat barangan, diskaun dan maklumat promosi barangan secara elektronik. Ia menggantikan sistem tradisional yang menggunakan kertas untuk memaparkan harga.

Gambar barangan adalah seperti berikut :



Berikut adalah gambaran keseluruhan "**Pricer System**". Barangan merupakan sebahagian daripada "**Pricer System**".



Maklumat spesifikasi barangan adalah seperti berikut :

Saiz barangan	<p>Terdapat <b>3 saiz</b> yang mempunyai ukuran tertentu :</p> <table border="1" data-bbox="614 322 1273 734"> <thead> <tr> <th data-bbox="614 322 754 524">Size</th> <th data-bbox="754 322 978 524">Dimension (Viewing area)</th> <th data-bbox="978 322 1134 524">Max number of segments of an LCD</th> <th data-bbox="1134 322 1273 524">Weight</th> </tr> </thead> <tbody> <tr> <td data-bbox="614 524 754 595">Small</td> <td data-bbox="754 524 978 595">34.5x 21.0mm (1.36x 0.83 in)</td> <td data-bbox="978 524 1134 595">172</td> <td data-bbox="1134 524 1273 595">22g</td> </tr> <tr> <td data-bbox="614 595 754 667">Medium</td> <td data-bbox="754 595 978 667">57.0x 21.5mm (2.24x 0.84 in)</td> <td data-bbox="978 595 1134 667">174</td> <td data-bbox="1134 595 1273 667">27g</td> </tr> <tr> <td data-bbox="614 667 754 734">Large</td> <td data-bbox="754 667 978 734">82.9x 21.5mm (3.26x 0.84 in)</td> <td data-bbox="978 667 1134 734">184</td> <td data-bbox="1134 667 1273 734">36g</td> </tr> </tbody> </table>	Size	Dimension (Viewing area)	Max number of segments of an LCD	Weight	Small	34.5x 21.0mm (1.36x 0.83 in)	172	22g	Medium	57.0x 21.5mm (2.24x 0.84 in)	174	27g	Large	82.9x 21.5mm (3.26x 0.84 in)	184	36g
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Komposisi barangan	<ul style="list-style-type: none"> <li>▪ Housing – Transparent plastic</li> <li>▪ Battery cassette</li> <li>▪ LCD</li> <li>▪ Barcode</li> </ul>																
Fungsi	<ul style="list-style-type: none"> <li>▪ <b>'of being able to flash segments on the LCD'.</b></li> <li>▪ <b>3 types of flash :</b></li> </ul> <table border="1" data-bbox="614 1019 1252 1294"> <tbody> <tr> <td data-bbox="614 1019 815 1122">1. Flash one</td> <td data-bbox="815 1019 1252 1122">Will activate one special segment to flash it that segment is turned on</td> </tr> <tr> <td data-bbox="614 1122 815 1193">2. Flash all</td> <td data-bbox="815 1122 1252 1193">Will make all segments that are turned on to flash</td> </tr> <tr> <td data-bbox="614 1193 815 1294">3. Flash any</td> <td data-bbox="815 1193 1252 1294">Will flash the segments that are defined in a flash mask if they are turned on</td> </tr> </tbody> </table>	1. Flash one	Will activate one special segment to flash it that segment is turned on	2. Flash all	Will make all segments that are turned on to flash	3. Flash any	Will flash the segments that are defined in a flash mask if they are turned on										
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<i>Identification</i>	<i>ESL is programmed with a unique address and a protocol format identifier. The protocol format identifier is used by the ESL to check that it only accepts frames transmitted with the right format.</i>																
<i>IR Communication &amp; Specification IR</i>	<i>ESL has the IR receiver turned off, but the IR receiver is activated every second. If the ESL receives a valid frame during this time, it will continue receiving until the transmission stops. Proprietary 2 way IR protocols.</i>																
Ciri-ciri lain	<ul style="list-style-type: none"> <li>▪ <i>can be configured to change pages automatically</i></li> <li>▪ <i>can be either in base mode or in temporary mode</i></li> <li>▪ <i>to be able to access a page in temporary mode, a special code, called key code</i></li> </ul>																

Berdasarkan maklumat pemohon, jumlah maksimum digit yang boleh dipaparkan pada LCD adalah 18 digit.

Barangan adalah '**battery operated**'.

Setiap barangan "*is logically connected to a sales item in the store. The connection is stored in the database*". Barangan mengandungi "*transmitter dan receiver*".

The receiver **is used to receive info for the infrastructure via infrared light. The transmitter is used to send an acknowledgement back to the tranceiver to indicate the data received is correct.**

ESL menggunakan **Liquid Crystal Display (LCD)** sebagai modul.

#### **Ketetapan:**

Ketua Pengarah Kastam Malaysia memutuskan barangan ini sesuai diperjeniskan di bawah kod tarif **8543.70 990 (PDK 2012) / 8543.70.90 00 (PDK 2017)** sebagai **Other Electrical machines and apparatus, having individual functions, not specified or included elsewhere in this chapter** berdasarkan alasan-alasan berikut:

- ESL menggunakan Liquid Crystal Display (LCD) sebagai modul.
- Barangan digunakan sebagai label untuk memaparkan maklumat harga, berat barangan, diskaun dan maklumat promosi barangan secara elektronik. Ia menggantikan sistem tradisional yang menggunakan kertas untuk memaparkan harga.
- Barangan adalah *display panel* yang menggunakan fungsi IR untuk *receive* dan *transmit* data harga. Barangan mendapat liputan EN HS 2012 muka surat XVI-8543-1 kerana barangan mempunyai fungsi tersendiri seperti berikut:

85.43 - Electrical machines and apparatus, having individual functions, not specified or included elsewhere in this Chapter.

8543.10 - Particle accelerators

8543.20 - Signal generators

8543.30 - Machines and apparatus for electroplating, electrolysis or electrophoresis

8543.70 -Other machines and apparatus

8543.90 - Parts

This heading covers all electrical appliances and apparatus, not falling in any other heading of this Chapter, nor covered more specifically by a heading of any other Chapter of the Nomenclature, nor excluded by the operation of a Legal Note to Section XVI or to this Chapter. The principal electrical goods covered more specifically by other Chapters are electrical machinery of Chapter 84 and certain instruments and apparatus of Chapter 90.

**The electrical appliances and apparatus of this heading must have individual functions.** The introductory provisions of Explanatory Note to heading 84.79 concerning machines and mechanical appliances having individual functions apply, *mutatis mutandis*, to the appliances and apparatus of this heading.

Most of the appliances of this heading consist of an assembly of electrical goods or parts (valves, transformers, capacitors, chokes, resistors, etc.) operating wholly electrically. However, the heading also includes electrical goods incorporating mechanical features provided that such features are subsidiary to the electrical function of the machine or appliance.

- Berdasarkan struktur tarif Perintah Duti Kastam 2012, barangan mendapat liputan seperti berikut:

**85.43 - Electrical machines and apparatus, having individual functions, not specified or included elsewhere in this Chapter.**

8543.10 000 - Particle accelerators

8543.20 000 - Signal generators

8543.30 000 - Machines and apparatus for electroplating, electrolysis  
Or electrophoresis

8543.70 - Other machines and apparatus :

100 - - Electric fence energisers

- - Other :

910 - - - Electronic micro assemblies

990 - - - Other