



Barcodes made easy



Turn any printer into a powerful labelling tool

The Barcode Module is a compact, platform-independent device that adds automatic barcode printing and other features to any PCL5/PCL6 printer. Simple, embedded text commands make it possible to add barcodes to any document while leaving normal operation of the printer unaffected.

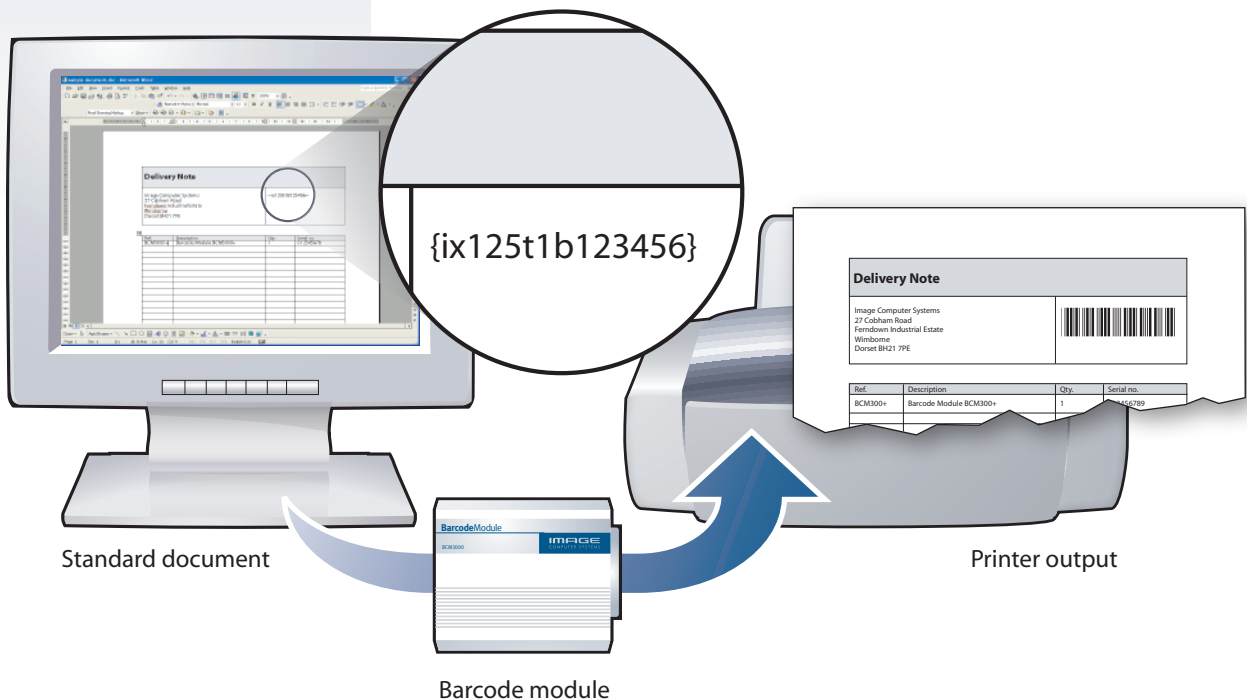
Now optimised for use with Windows, the BCM3000 and BCM3417 offer the simplest solution for producing barcodes from any document, platform or printer*.

Any document.

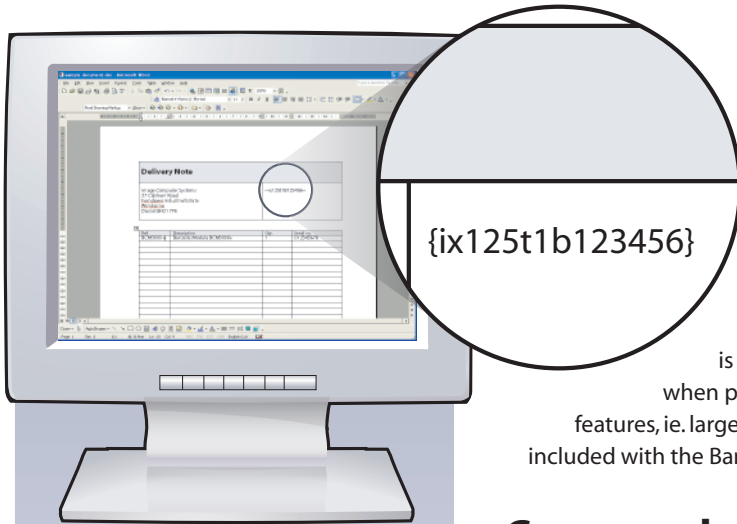
Any system.

*Any printer.**

- Print professionally barcoded documents in-house
- Compatible with Windows, UNIX or mainframe systems
- Suitable for use with ERP software including SAP and Sage
- Simple text command-driven operation
- Wide range of 1-D barcodes and 2-D** barcodes
- Automatic check digits and error checking



* Compatible with any PCL4 laser printer, dot matrix printers and some inkjet printers ** PDF417 barcode available on BCM3417 only



Adding a barcode to your document

The Barcode Module utilises the Printer Command Extension language to add barcoding capabilities to your printer. Below is shown an example of a command that will produce a barcode when printed. The same structure is used to invoke the module's other features, i.e. large characters and box/line drawing. A Windows application is included with the Barcode Module for generating PCE commands.

Command structure

The lead-in sequence marks the start of the PCE command. This is composed of the lead-in character followed by a lower-case i. The default lead-in character is an opening curly bracket ({) but this may be changed via the setup menu on the Barcode Module. Please refer to the *Installation and Setup* section of your user manual for instructions.

IMPORTANT: A suitable choice of lead-in and terminator character will depend on the content of the documents that you'll be printing. You should give careful consideration to your choice of lead-in character to avoid invoking the Barcode Module by accident.

The parameters determine the position, type and other aspects of your barcode. This command includes a horizontal offset (x) of 125mm and barcode type (t) of 1.

Millimetres are the default units of measurement. You can change this in the case within the scope of the current command by using the "u" (units) parameter.

See the **Parameters** table opposite for information.

{ i x125t1 b 123456 }

The terminator marks the end of the PCE command. The default terminator is the closing curly bracket character (}) but this may be changed via the Setup section on the Barcode Module. Please refer to the *Installation and Setup* section of your User Manual for instructions.

The data type may be either b or l to determine whether the Barcode Module prints a barcode or large character sequence.

The data is the actual content that you want to encode in your barcode (or large character sequence). Check digits are automatically created by the module.

Parameters

Type (t)	Style (s)	Units (u)
t0 Code 39 (default)	s0 3:1 ratio (default)	u0 Millimeters (default)
t1 Interleaved 2-of-5	s1 2:1 ratio	u1 1/10 inch
t3 Industrial 2-of-5	s2 High density	u2 1/100 inch
t5 EAN-13, EAN-8	s3 2.5:1 ratio	u3 1/12 inch
t6 UPC-E	s6 3:1 ratio (enlarged)	u4 1/120 inch
t7 Telepen	s7 2:1 ratio (enlarged)	u5 1/10 millimeter
t8 Telepen Numeric	s10 AIG/ODETTE Standard	u6 1/300 inch
t9 Codabar		u7 1/720 inch (decipoints)
t10 MSI (Modulo 10/11 check digit)	Passes (p) Human readable (r)	
t11 MSI (Modulo 10/10 check digit)	p1 One pass (default for 24 pin matrix printers)	r0 Off
t12 Code 128 set A	p2 Two pass (default for 9 pin matrix printers)	r1 On
t13 Code 128 set B	Orientation of barcode (a) Height of barcode (h)	
t14 Code 128 set C	a0 Normal orientation (default)	Height of barcode excluding human readable text (default of 10mm). eg. h10 (barcode height of 10mm)
t15 Code 128 auto-select	a1 90° rotated	
t16 Postnet	Horizontal position (x) Vertical position (y)	
t17 FIM	Horizontal position of barcode based on distance from left margin to left edge of barcode (default of nil) eg. x25 (barcode positioned 25mm from document margin)	
t18 Code93	Vertical position of barcode based on downward offset from current line of the document (default of nil) eg. x40 (barcode positioned 40mm beneath line containing command).	
t19 Plessey (laser only)		
t20 UPC-A		
t21 UK Royal Mail Customer Code		
	PDF417 (BCM3417+ only)	

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