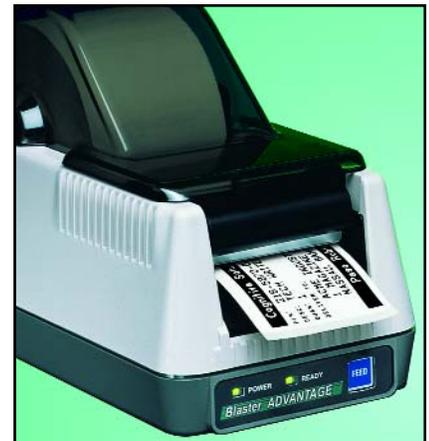


<b>Model</b>		BX242003	BX422003
<b>Print Method</b>		BD - Direct Thermal BT - Thermal Transfer	BD - Direct Thermal BT - Thermal Transfer
<b>Width (max)</b>		2.2" or 56mm	4.1" or 104mm
<b>Length (max)</b>		41" or 1.04m at 203dpi	22" or 559mm at 203dpi
<b>Speed</b>		3 ips 76mm/sec	3 ips 76mm/sec
<b>Resolution</b>		203 or 300 dpi	203 or 300 dpi
<b>Media</b>	<i>Width</i>	1" - 2.4" 25 - 61mm	2" - 4.2" 50 - 106mm
	<i>Roll Diameter</i>	4.7" or 119mm	4.7 or 119mm
	<i>Ribbon Length</i>	3150" or 80m (BT models only)	3150" or 80mm (BT models only)
	<i>Indexing</i>	Black bar, notch and gap	Black bar, notch and gap
<b>Bar Codes</b>	<i>Types</i>	21 standard bar codes, including: Add2, Add5, Codabar, Code16K, Code39, Code93, Code128A/B/C, D2of5, I2of5, S2of5, EAN8/8+, EAN13/13+, EAN128, Maxicode, MSI/I1, PDF417, Plessey, Postnet, UPCA/A+/E/E1	
	<i>Rotations</i>	90°	90°
<b>Fonts</b>	<i>Bitmapped</i>	7 styles with up to 10 x 10 magnification, variable boldness and spacing	
	<i>AGFA Fonts</i>	Sans-serif font in 7 pt. sizes, up to 4 x 4 magnification, variable boldness and spacing	
	<i>Scalable Smooth Fonts</i>	3 Ultra Font styles for smooth characters in any size and boldness	
	<i>Rotations</i>	0°, 90°, 180° and 270°	
<b>Graphics</b>	<i>Features</i>	Foreground and background bitmapped graphics, sizeable graphics window (all models)	
	<i>Formats</i>	Raster, PCX, BMP (all models)	
<b>Memory</b>	<i>SRAM</i>	512KB	
	<i>Nonvolatile</i>	512KB FLASH	
<b>Communications</b>	<i>Standard</i>	Serial or parallel	Serial and parallel
	<i>Ethernet</i>	Internal ethernet option	Internal ethernet option
<b>Electrical</b>		100, 120, or 230 VAC, 50/60Hz	
<b>Environmental</b>	<i>Operating</i>	41°F to 104°F or 5°C to 40°C	41°F to 104°F or 5°C to 40°C
	<i>Storage</i>	-4°F to 122°F or -20°C to 50°C, 25-85% non-condensing RH	
<b>Dimensions</b>	<i>Width BT</i>	5.0" 127mm	6.8" 173mm
	<i>Width BD</i>	4.7" 119mm	6.8" 173mm
	<i>Height</i>	6.1" 155mm	6.1" 155mm
	<i>Depth</i>	9.4" 238mm	9.4" 238mm
	<i>Weight BT</i>	3.9 lb 1.77kg	4.4 lb 2.0kg
	<i>Weight BD</i>	3.1 lb 1.41kg	3.9 lb 1.77kg
<b>Typical Printhead Life</b>		2,000,000" 50km	



**BD242003**

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### Standard Accessories

<i>Power Supply</i>	120 VAC in, 24V/40W out
<i>CD-ROM</i>	Intellidriver for Microsoft Windows 95, 98, NT 4.0., 2000 Includes printer Programmer's Guide
<i>Software</i>	Windows® drivers, LabelView CS, Codesoft CS label design software, Fontcash2000™ and printer configurator
<i>Guides</i>	Quick Start Guide, Programmer's Guide

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### Optional Accessories

<i>Power Supply</i>	80 W supply for adverse environmental conditions
<i>Communications</i>	Parallel, serial, ethernet connectivity
<i>Special Models/Upgrades</i>	Real time clock, label dispenser, label cutter
<i>Language</i>	Kanji character set
<i>Memory</i>	2MB and 4MB Flash memory expansion
<i>Service</i>	Annual service contracts available

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### Printer Configurations

Your Advantage printer is available with the following printer configuration options:  
Ethernet  
For additional information, contact your authorized Cognitive reseller.

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### Communications

<i>Standard</i>	Serial or Parallel
<i>Optional</i>	Ethernet, e+Solutions

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### Communications Port

Your Advantage printer is equipped with Centronics parallel and RS232 serial communications ports, wired as follows:

Parallel input connector (DB9S)		Serial input copnector (DB9S)	
1	Strobe	2	RX (printer data input)
2-9	Data bits 0-7	3	TXD (printer data output)
10	Acknowledge	5	Ground (-)
11	Busy	7	RTS (printer busy)
12	Out of paper	8	CTS
13	Select	1, 9 +5VDC, 200mA max.	
17	Chassis ground		
18	+5VDC		
31	Reset		
32	Error		
16, 33, 19-30 Signal ground			
14, 15, 34-36 No connection			

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### Serial Port Parameters

Your Advantage printer is configured as DTE equipment and uses RTS/CTS handshaking or XON/XOFF protocol. The serial port supports the following parameters:

<i>Speed</i>	600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200
<i>Parity</i>	N/E/O
<i>Word Length</i>	7/8
<i>Stop bits</i>	1/2
<i>Default Parameters</i>	9600, N, 8, 1

For additional information about Cognitive products, contact the addresses below or visit our web site at [www.cognitive.com](http://www.cognitive.com)

## Cognitive