Challenger® Series

THERMAL TRANSFER PRINTERS

By ID Technologies

The *Challenger®* Series symbolizes **Performance, Value and Reliability**. These printers are equipped with a 32 bit Motorola RISC processor that ensures a fast first label output and serialized data printing. The entire series features a robust all metal construction designed to withstand adverse operating conditions making them ideal for heavy-duty industrial applications.
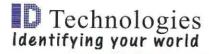
Challenger® series printers print high quality bar codes, bitmapped images, graphics, scalable resident fonts & Windows True Type fonts at 203 dpi / 300 dpi. These printers are suitable for applications such as document tracking, inventory management, product labeling, dispatch labeling, manufacturing, labeling medical records & ticket printing.

All the *Challenger®* series printers are backed by a warranty of three-years or 3 million linear inches on the printer, which covers all parts except print head and a print head warranty of six months or 1 million linear inches against manufacturing defects.

Challenger® series printers can emulate the Datamax printer language and are a drop in replacement for the Allegro-2 and E-4203 Datamax printers.

Challenger® Series Features :

❖ Three years or 3 million linear inches limited warranty (which ever is early) on the printers except the print head.

❖ Six months or 1 million linear inches on the print head against manufacturing defects.

❖ Standard Rugged metal cover to ensure reliable operation in harsh environments.

❖ 32-bit Motorola 68 K Processor.

❖ Latest Japanese print head from Kyocera, Japan

❖ Industrial grade metal print mechanism ensures long lasting print registration & print quality.

❖ Ability to print any Windows True Type font easily with help of the Font Utility provided.

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Challenger® Series 4203E, 4203, 4205 and 4303 Product Specifications

Challenger®
Series

	4203E	4203/4205	4303
PRINT SPEED	3 IPS	3 IPS / 5 IPS	3 IPS
RESOLUTION	203 dpi	203 dpi	300 dpi
DIMENSIONS	(H) 8.34" x (W) 9.25" x (D) 9.44"	(H) 8.34" x (W) 9.25" x (D) 13"	(H) 8.34" x (W) 9.25" x (D) 13"
	212 mm x 235 mm x 240 mm	212 mm x 235 mm x 330 mm	212 mm x 235 mm x 330 mm

PRINTER TYPE	Direct Thermal or Thermal Transfer
MAX PRINT WIDTH	4.1"(104 mm)
MEDIA WIDTH	1" - 4.65" (25 mm - 118 mm)
PRINT LENGTH	0.5" - 9" (12.7mm - 228.6mm)
BAR CODE MODULUS	5 mil to 150 mil (203 dpi) 3.3 mil to 150 mil (300 dpi)
	"X" dimension in picket fence or ladder orientations
MEDIA WINDOW	Clear side-door panel to easily monitor media supply levels
MEDIA TYPE	Roll-fed or fan-fold materials, die-cut or continuous labels; perforated or continuous tag/ticket stock
MEDIA THICKNESS	.0025" - .0100" (.0635mm - .254mm)
MEDIA SENSING	"See through" for liner backed die cut Labels & tags; left bias reflective sensor for media with black stripe sensing
SUPPLY ROLL	8" (203mm) maximum diameter on 1.5" - 3" (38mm- 76mm) core. Fan-fold stock accepted from rear of printer
LABEL BACKFEED	For use with tear bar
RIBBONS	Industry standard ribbon widths; 1" (25mm) ribbon core, 1182' (360M) in length, Coated inside
CABINET	Powder coated metal cabinet
BAR CODES	Code 3 of 9, UPC-A, UPC-E, Interleaved 2 of 5, Code 128, EAN-8, EAN-13, Codabar, Plessey, UPC 2 and 5 digit addendums, Code 93, UCC/EAN Code 128, PDF417, Datamatrix
RESIDENT FONTS	Nine alphanumeric fonts from 1.0 mm (0.039") to 12 mm (0.64"), including OCR-A, OCR-B.
DOWNLOADABLE FONT TYPES	Any windows font can be downloaded in the FLASH for printing. Through the windows utility provided, a windows True Type Fonts can be downloaded in the printer FLASH memory for printing.
CHARACTER SET	Modified IBM® Code Page 850 includes characters for English.
FONT EXPANSION/ROTATION	All fonts expandable vertically and horizontally up to 9x, fonts and graphics can be printed in four directions: 0°, 90°, 180° and 270°
GRAPHICS SUPPORT	PCX, .BMP and .IMG files
REVERSE FIELDS/MIRROR IMAGE	Any font or graphic field can be printed as a normal or reverse image
MEMORY	1MB Downloadable Flash Program Memory
INTERFACES	Centronics® Parallel port IEEE 1284 compliant and RS232 at 2,400 to 9600 BPS; optional Ethernet, USB
POWER SOURCE	90 - 264 VAC @ 47 - 63 Hz
OPERATING TEMPERATURE	4°C to 40°C (40°F to 110°F)

Option

CUTTER WITH TRAY	Maximum Thickness 0.254 mm (0.1")
LABEL PRESENT SENSOR	Used for on-demand label dispensing and peel & present applications
INTERNAL REWIND	50 mm (2") OD Capacity, label backing rewound in peel & present mode
EXTERNAL REWIND	203 mm (8") maximum OD capacity

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