

E-Class™ Mark III

Desktop Barcode Printers ■ ■ ■



features at a glance ■ ■ ■

- **Easy Loading** - The horizontal split cabinet with a rear hinge allows for easy ribbon and label loading.
- **Rugged Construction** - Double wall construction and concentric hinges provide rugged structural integrity.
- **Wraparound media window** - Allows operator to visually verify the media level without interrupting the printing operation.
- **Safe from spills** - The sealed user interface panel is sealed to prevent liquids and debris from damaging the sensitive user controls.
- **Lowered Ribbon Costs** - Larger one-inch core standardized ribbons cost less than the typical smaller desktop ribbons.
- **Large Media Roll** - Reduce interruptions and increase up time with larger media capacity on the Professional + model.
- **Internal Fan Fold Stack** - Protects media from the environment and eliminates curl on the Professional + model.
- **Easy Serviceability** - No tools or experience required to replace the most critical parts, the printhead and platen roller.
- **Large Graphical Display** - Allows for quick and easy changes and provides visual status indication (Professional models only).
- **Optional Wireless** - 802.11 a/b/g and Bluetooth communication makes it easy to share, manage, and place printers where you need them (Professional models only).

The E-Class Mark III is a family of compact desktop thermal printers that are designed for a wide variety of industries and applications that require a reliable and cost effective barcode printer. Datamax O'Neil applied its industrial printer expertise to provide customers with an entry level printer that has the features and reliability normally found in more expensive printers. The E-Class Mark III is affordable to own, easy to use and economical to operate.

We've made the E-Class Mark III easy to use with quick loading media and an interactive LCD screen. Users will also notice a substantial reduction in their daily operational costs thanks to the E-Class Mark III's larger media and ribbon roll capacity. The E-Class Mark III is one of the best values on the market. It is competitively priced with a proven design and reliable performance that will continue to operate long after other printers have failed.

Why pay for features you don't need? The E-Class is available in four distinct models that offer the features necessary to meet the broadest range of customer requirements. A breakdown of features for each model is provided in the table on the next page.

popular applications ■ ■ ■



Manufacturing

- Product Labels
- Work-in-Progress
- Repairs Tracking
- Agency Labels
- Instructions



Retail

- Item Labels
- Shelf Tags
- Specials and Talkers
- Returns Labeling/Tagging



Healthcare

- Specimen Tracking
- Records Labeling
- Patient ID Wristbands
- Asset Identification
- Pharmacy



Postal Service

- Shipping Labels
- Parcel Routing
- Delivery Management

your benefits ■ ■ ■



Affordable to Own - The E-Class Mark III was carefully designed to maximize your investment value by offering a competitive purchase price, double walled construction for increased durability and a proven design for long term reliability.



Easy to Use - The E-Class Mark III makes it easy to replace existing printers or install new ones with popular language emulations included with each printer and a selection of connectivity options. Users will appreciate the easy-to-use LCD screen and quick loading media/ribbon.



Economical to Operate - The E-Class Mark III reduces daily operational costs by minimizing power consumption, and reducing the costs associated with printer consumables such as labels and ribbons.







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product specifications ■ ■ ■



Basic	Advanced	Professional	Professional+
			
<p>The Basic model meets the needs of the most popular barcoding applications. USB and serial ports are included as standard features. Optional 300dpi, thermal transfer and label peeler are also available.</p>	<p>The Advanced model is for applications that need networking communications, faster print speed, or special media compatibility. The Advanced model includes all the features and options of the Basic, plus it includes parallel and Ethernet communications ports, a positionable media indexing sensor and prints at up to 5 inches per second.</p>	<p>The Professional model is for sophisticated applications that require a higher level of interface capabilities, higher performance, and wireless communications. It features a graphical display with a navigational menu interface, real time clock, audible alarm, USB host connectivity, faster print speed, and optional wireless LAN and Bluetooth communications.</p>	<p>The Professional + (plus) model is for applications that require a large internal media capacity. The Professional + has all the features of the Professional, including a large internal roll, internal fan folded media, and an optional cabinet lock.</p>

Model			
E-4204B (203dpi) E-4304B (300dpi)	E-4205A (203dpi) E-4305A (300dpi)	E-4206P (203dpi) E-4305P (300dpi)	E-4206L (203dpi) E-4305L (300dpi)
Communication Options			
USB 2.0 Serial RS232	USB 2.0 Serial RS232 Parallel Bi-directional 10/100 BaseT Ethernet	USB 2.0 Serial RS232 Parallel Bi-directional 10/100 BaseT Ethernet	USB Host 802.11 a/b/g Wireless LAN (optional) Bluetooth® v2.0 (optional)
Dimensions			
8.01”w x 7.36”h x 11.10”d (203.5mm x 187mm x 282mm)			8.01”w x 9.56”h x 14”d (203.5mm x 243mm x 356mm)
Weight			
84 oz. (2.4 kg)			88 oz. (2.5 kg)
Speed			
4ips (101mm/s)	5ips (127mm/s)	6ips (152mm/s) @ 203dpi; 5 ips (127mm/s) @ 300dpi	
Maximum Print Width			
4.25” (108 mm) @ 203dpi (8 dots/mm); 4.16”(106 mm) @ 300dpi (12 dots/mm)			
Maximum Internal Media Roll Capacity			
5.0” (127 mm) O.D.			7.2” (182.8 mm) O.D.
Memory			
64MB Flash / 16MB DRAM		64MB Flash / 32MB DRAM	
Power Source Options/Accessories			
Fitted Lower Enclosure for Power Converter (optional) Fitted Lower Enclosure for Power Converter & Battery Pack (accessory)			Not Available
Indicators/Display			
Two Light Indicators with 3 Colors		Two Light Indicators with 3 Colors Monochrome Multi-Line Graphical Display Configuration Menu System Audible Alert Real Time Clock	

3 Dimensions of Value

Value is more than just the purchase price of a product. It is a balance between cost, features and sustainability. We call this the 3 Dimensions of Value. The E-Class Mark III incorporates all these dimensions. It is affordable to own, easy to use and economical to operate.

Affordable to Own



Competitive Purchase Price

The E-Class Mark III is priced lower than other printers in its category.

Durable Construction

We've utilized proven designs and rugged double wall construction to ensure that your printer will last longer than other printers on the market.

Reliable Performance

Unlike ink jet and laser printers, the E-Class Mark III is designed to handle sticky labels reliably and does not require constant cleaning and servicing.

Low Maintenance

Aside from the printhead and platen roller, the E-Class *Mark III* has a relatively small number of moving parts to wear out and will save you money in repairs.

Easy to Use



Change Media Faster and Less Often

Media rolls are easy to change and the ribbon rolls are 3 times larger so you do it less often.

Simple to Operate

The E-Class Mark III includes easy-to-use controls and the Professional models include a large graphic display.

Easy to Install

Installation is easy with a variety of wired and wireless communication options, Windows® drivers and factory/dealer level resets.

Language Emulation Operating System

The printer's operating system understands many printer languages so system integration does not require programming changes.

Economical to Operate



Minimize Power Consumption

The E-Class Mark III has a stationary printhead that only heats the exact dots needed saving you energy.

Lower Material Cost

Unlike most small desktop printers, the E-Class Mark III uses economical, high capacity ribbons that effectively pay for the printer.

Reduce Material Waste

Unlike laser or inkjet printers that waste media, the E-Class *Mark III* prints individual labels, allowing you to print exactly what you need so there are never any unprinted labels to throw away.



Did you know?

Datamax-O'Neil **Extended Warranties** provide the coverage you've been seeking for the worry-free operation of your printer long after the original warranty period has expired. Extended Warranties include quick response times, a va comprehensive options and a broad choice of contract duration options. *(not available in all countries)*



print technology ■ ■ ■

- Printer type:
 - Direct thermal
 - Optional thermal transfer
- Print length range:
 - 0.375” - 99” (9.5mm - 2514mm)
- Resolution:
 - 203 dpi (8 dots/mm)
 - Optional 300 dpi (12 dots/mm)

physical characteristic ■ ■ ■

- Color:
 - Pantone® warm gray
- Operating temperature:
 - 40°F to 95°F (4°C to 35°C)
- Construction:
 - Split case with rear concentric hinge
 - Double walled high strength thermoplastic
 - Clear wrap around media window
- Power source:
 - Auto-ranging power converter

integration ■ ■ ■

- Communication Ports:

	Basic	Adv	Pro	Pro+
Serial RS232			Standard	
USB 2.0			Standard	
Parallel Bi-directional			Standard	
10/100 BaseT Ethernet			Standard	
USB Host				Standard
802.11 a/b/g				Optional
Bluetooth® v2.0				Optional

- 802.11 a/b/g:
 - Network standard: IEEE 802.11 a/b/g
 - Wireless access modes: Infrastructure and ad-hoc
 - Security Protocols:

	WEP	WPA	WPA2
Modes		PSK/Enterprise	
Security/Encryption	64/128	TKIP/RC4	CCMP/AES
Authentication	LEAP, EAP-PEAP, EAP-FAST, EAP-TTLS, EAP-LEAP		

- Network support: DHCP, TCP/IP, UDP, DNS, BOOTP
- Software:
 - DMX Config: Printer configuration tool
 - DMX Net Manager: Networked printer management tool
 - Embedded Configurator: Resident printer configuration tool
 - Drivers: Windows® XP, Windows® Vista, Windows® NT
- Firmware:
 - Updates: Available online
 - Universal Printer Command Language Support: PL-Z (Zebra®) PL-B (Boca) PL-I (Intermec®) PL-E (Eltron®)

barcodes/fonts/graphics ■ ■ ■

- Barcodes:
 - Linear: Code 3 of 9, UPC-A, UPC-E, Interleaved 2 of 5 (I2 of 5), Code 128, EAN-13, EAN-8, HBIC, Codabar, Interleaved 2 of 5 with a module 10 checksum, Plessey, Interleaved 2 of 5 with a module 10 checksum & shipping bearer bars, 2 digit UPC addendum, 5 digit UPC addendum, Code 93, Postnet, UCC/EAN Code 128, K-Mart NON EDI barcode, Telepen
 - 2D Symbologies: UPS MaxiCode, FIM, PDF-417, DataMatrix, QR Code, Aztec, Code 128 with auto Subset Switching, GS1 Databar (replaced RSS), TCIF Linked Bar Code 3 of 9 (TLC39), MicroPDF417
- Resident fonts:
 - Ten alphanumeric fonts from 0.08” to 0.25” (2mm to 6mm) including OCR-A, OCR-B, CG Triumvirate™ smooth font from AGFA®
- Downloadable font types:
 - True-Type, AGFA® Intellifont™, Bitmap
- Character set:
 - Modified IBM® Code Page 850; includes characters for English and most European, Scandinavian and Spanish speaking countries.
 - 50 Resident code pages
- Font expansion/rotation:
 - All fonts expandable vertically and horizontally up to 24x; fonts and graphics can be printed in four directions: 0°, 90°, 180° and 270°s
- Graphics supported:
 - .PCX, .BMP, .IMG format files
- Reversible field/mirror image:
 - Any font or graphic field can be printed as a normal or reverse image

agency approval ■ ■ ■

Contact sales representative for the most current approval list

warranty ■ ■ ■

- Printer*: 1 year (including platen roller and installed options)
- Printhead*: 1 year or 1,000,000 inches whichever comes first
- Contact sales representative for extended warranty options

*when used with approved supplies



media ■ ■ ■

- Media type:
 - Continuous roll or fan-folded
 - Wound in or out label or tag rolls
 - Fan-folded internal (Professional+)
 - Inter-form perforations for easy tearing
 - Gap, bar, notch, hole indexing feature
- Media width range:
 - 0.75” – 4.40” (19.0mm – 111.76mm)
- Media thickness range:
 - 0.0025” - 0.01” (0.0635mm - 0.254mm)
- Media sensing:
 - Fixed position (Basic) or positional (Advanced & Professional models) adjustable sensors capable of gap between labels, black bar on back, and notch or hole sensing
- Label backfeed:
 - For use with optional cutter or tear off operation
- Ribbon:
 - Coated side in or coated side out (CSI/CSO)
 - Width range: 1.0” - 4.3” (25 - 109mm)
 - Ribbon core: 0.5” - 1.0” (13 - 25mm)
 - Ribbon take-up core [diameter x length]: 0.5” x 4.3” (13 x 109mm); 1.0” x 1.0” - 4.3” (25mm x 25 - 109mm)

accessories ■ ■ ■

- Battery pack (not available for Pro+)
- External rewinder
- Power supply case
- Auto Loading Chute (not available for Pro+)
- Power supply cabinet (not available for Pro+)
- External media (large roll) holder

options ■ ■ ■

- Thermal transfer (includes 1” ribbon adaptors)
- High resolution (300 dpi)
- Wireless LAN (Professional models only)
- Bluetooth® v2.0 (Professional models only)
- Label (peeler) Dispenser w/Sensor field
- Cutter w/Sensor field (Not available on Basic)



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