The Datamax-O’Neil Performance Series is a new, innovative family of printers that was designed to resolve a number of issues customers had been having with thermal printers for many years. The result is a printer family that is the easiest to load, easiest to use and easiest to integrate of any thermal printers available anywhere. The Performance Series printers offer superior print quality, auto-load capabilities, user-friendly color touchscreen, unparalleled print registration and an industry standard printer language, PCL. PCL is standardized to run on a variety of operating systems, so it is independent of any application software running on a computer. This ensures faster and easier plug-play integration, getting your printer systems up and running sooner.

The Performance Series printers are manufactured to the highest standards and feature a die cast frame and metal covers which are ideal for industrial environments. Available in 4” (4.16in / 105.7mm or 6” (6.83in / 173.5mm) label printing capabilities, the thermal printers also can print at speeds from 6 ips / 152 mmps to 10 ips / 254 mmps and from 300 dpi to 600 dpi to meet the most diverse requirements.

**features at a glance**

- **PCL5e Standard Language** - makes graphics integration easier and allows users to spend less time setting up printers. Offers virtually endless application choices.
- **SAP® ready printers** - is a benefit that derives from a true PCL5 thermal barcode printer. Middleware applications are no longer necessary within printer networks. All Performance printers are certified through the SAP Printer Vendor Program.
- **Laser and inkjet printer** - users can realize the benefits of a ruggedized thermal barcode printer and reduce operating costs with seamless integration of a true PCL5 device.
- **Media auto-loading and calibration** - to give printer operators freedom from complex and time consuming media setup.
- **Graphic color touchscreen** - display with an intuitive menu flow making the user interface and navigation seamless.
- **Die cast frame** - and metal covers designed specifically for harsh work environments.
- **Standard 300 dpi printhead** - with each Performance Series printer allows users to now benefit from a higher resolution printhead with better text, images and barcodes at a 203 dpi printhead price.
- **50 resident scalable fonts** - is the new standard in thermal barcode printing. No longer restricted to a limited font selection, users can create custom labels on-demand.

**popular applications**

- **Manufacturing**
  - Asset Tracking
  - Finished Goods Marking
  - Agency Labels
  - Case Labels
- **Transportation and Logistics**
  - Cross Docking
  - Sorting Centers
  - Shipping Labels
  - Pallet Tracking
- **Food and Beverage**
  - High Resolution Labeling
  - Expiration Dates and Time Stamps
  - Product Identification
  - Shipping Labels
- **Pharmaceuticals**
  - Compliance Labels
  - Product Identification
  - Track and Trace
  - Pick Lists

**your benefits**

- **Non-Proprietary PCL** – The Performance Series offers PCL, a globally adopted standard/laser compatible printer language that allows easy integration into SAP and other network environments.
- **Most Advanced Interface** – The industry’s most intuitive color touchscreen makes setup and performance enhancements as simple as 1-2-3. The printer provides front panel print quality adjustments, auto media calibration and loading as well as ribbon tensioning controls.
- **Options Galore!** – The Performance Series printers are available with numerous options to meet the most diverse requirements. Some of the options include internal rewinder, peeler and cutter, USB host, GPIO, 802.11 b/g, audio alarm.
**product specifications**

### physical characteristics

- Printhead Technology
  - Flat head
  - Printhead Pressure adjustment
- Patent Pending: Automatic printhead pressure adjustment. (Increases printhead life)
- Printhead cooling fan
- Operating temperature
  - Operating: 32°F (0°C) to 104°F (40°C)
  - Storage: -4°F (-20°C) to 140°F (60°C)
- Power source
  - Universal (PFC-compliant) power supply 90-264 VAC; 47-63Hz
- Operating temperature
  - Operating: 32˚F (0˚C) to 104˚F (40˚C)
  - Storage: -4°F (-20°C) to 140°F (60°C)

### accessories

- External rewinder Media Catch tray*
- Flat head
- Cutter Tray*
- Cutter*
- Peel & Present*
- 1" or 1.5" Media Hub Adapters**
- Audio Alarm

### barcodes/fonts/graphics

- Bar Codes
- Fonts

### integration

- Communication Interfaces
  - USB 2.0 Device
  - 10/100 Base-T Ethernet
  - Wireless Module: 802.11 b/g
  - Applicator Interface: Parallel (S-32C)
  - USB Host connection
- Security Protocols:
  - WEP, WPA, WPA2
  - Modes: PSK/Enterprise
  - Encryption 64/128 TKIP/RC4 CCMP/AES
  - Authentication: LEAP, EAP-PEAP, EAP-FAST, EAP-PSK
- Network/Software support:
  - DHCP, TCP/IP, UDP, DNS, BOOTP, NTP, SNMP
  - Embedded Configurator: Resident printer configuration tool
  - Embedded Network web pages
  - Drivers: Windows® XP, Windows® 7
  - Network Management is done with your standard HP Compatible network management tools. Works with HP OpenView®, Tivoli® and others.
- Apple
  - Works in MACBook Pro® with the HP Laserjet® Series PCL4/5 driver
  - SAP Certified.

### 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 supply

- Roll-fed, die-cut, continuous labels: perforated or continuous tag/ticket stock 8in/203mm roll max diameter on 3in/76mm core.
- Fan fold stock accepted.
- Media thickness range:
  - 0.0025" - 0.01" (0.0625mm - 0.254mm)
  - Top-Of-Form Sensor/Media Sensing
  - Double Sided Adjustable position for label gap, notch and reflective black mark on bottom or top of form.
  - Label backfeed:
    - For use with optional cutter & Peel and Present.
  - Ribbon
    - Core: 1.0" (25.4mm)
    - Length: 1968' (600m)
  - Coated side in and coated side out
  - Reference model above for width.

### options

- Thermal Transfer
- Internal Powered Rewind with adjustable tension.
- Peel & Present*
- Cutter*
- Cutter Tray*
- Audio Alarm
- 1" or 1.5" Media Hub Adapters**
- Expanded 64MB Flash Memory

### agency approval

- CE, UL, C/UL, UL Mexico CoC and other approvals
- Contact sales representative for the most current approval list.

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**Specifications subject to change without notice.**
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