Apex Portable Receipt Printers

Light weight and Economical

features at a glance

- **Lightweight and small:** The Apex printers are light enough to wear all day, everyday and small enough that they don't hinder movement.
- **Fast:** All features on the Apex printers are supported by a powerful Arm-7, 32-bit architecture RISC processor, making them as fast as printers costing almost twice as much.
- **User Controlled Memory:** All resident fonts and firmware are integrated into flash memory and are directly under your control.
- **Easy to Use:** Simplified LED lights indicate communication, charging and power status. Plus, easy drop-in paper loading and an external DC jack for easy charging.
- **More for you Money:** All Apex printers ship with a battery, power supply, belt clip (Apex 2 & 3) or shoulder strap (Apex 4) and sample media. They are also all equipped with a wireless option and RS232 or USB communications.
- **Options:** IrDA or Bluetooth connectivity and 3 Track Magnetic Card Reader
- **Compatibility:** MS DOS and Windows compatible. Print utilities and drivers available for most systems.
- **Graphics:** Supports the printing of graphics, 1D and 2D bar codes.
- **Endurance:** High Capacity Li-Ion battery can last a full day of printing receipts on a single battery charge.
- **Charging Options:** AC Adaptor for in-printer battery charging (comes with printer), 10.6-30V vehicle charger, 2 Bay battery charger.

The Apex family offers a light weight and economical solution for 2", 3" and 4" portable receipt printing that meets your needs without sacrificing on quality and performance. With today's tight budgets, the Apex series is an affordable way to meet the constantly changing requirements connected to field service, transportation, retail and law enforcement applications.

Designed with mobile workers in mind, Apex portable printers include a simple drop-in paper system that allows users to quickly replace paper rolls and a high capacity battery with easy charging options. Its light weight and compact design allows the Apex series to be worn comfortably on the belt or with a shoulder strap during long 12 hour shifts. These user-friendly features mean you can go through your busy day knowing your Apex printer will keep up with you.

The affordable Apex series offers you what you need without the extras found in other products. The Apex series come standard with wireless communication, fast print speed, ample memory and fast processing power that lets it keep pace with printers costing twice as much. The Apex series is also available with an optional magnetic strip card reader and Bluetooth or IrDA wireless communication.

popular applications

Mobile POS
- Transaction Receipts
- Que Busting
- Coupons
- Rain checks

Field Service
- Service Receipts
- Pickup/Deliveries
- Maintenance
- Settlement Reports

Transportation
- Ticketing
- Payment receipts

Public Services
- Meter Reading
- Parking Tickets

Did you know?

The paper you choose for your printer can significantly increase the life of your printer. Lesser quality paper can release more dust into the printer which can cause damage to your print mechanism and reduce the print quality of receipt. Datamax-O'Neil offers a wide range of high quality supplies for its printers including custom and stock receipts, ticketing media and cleaning products. When you choose Datamax-O'Neil, you receive a proven commitment to superior quality. Quality that results in performance and compatibility… Guaranteed.

your benefits

Affordability and Performance – In today's tough economic times, affordability and quality are vital to business success. The Apex series has over-molded rubber bumpers for extra durability and has been validated in IEC68 certified labs for operating temperature, storage temperature, humidity, shock and vibration. Most importantly, the Apex series comes with Datamax-O'Neil's legendary customer service and support.

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product specifications

Apex 2

Apex 3

Apex 4

Apex 2	Apex 3	Apex 4
Communication Options		
Standard - Serial and one wireless option Wireless Options - Bluetooth or IrDA	Standard - Serial and one wireless option Wireless Options - Bluetooth or IrDA	Standard - USB and one wireless option Wireless Options - Bluetooth or IrDA
Dimensions		
5.4" H x 4.1" W x 2.4" D 135 x 103 x 60 mm	6.1" H x 5.0" W x 2.3" D 156 x 127 x 58 mm	7.5" H x 6.5" W x 2.5" D 191 x 166 x 63 mm
Weight (with battery)		
14.7 oz (0.417 kg)	18.5 oz (0.524 kg)	26.5 oz (0.751 kg)
Weight (with battery and paper roll)		
18.7 oz (0.530 kg)	26.5 oz (0.751 kg)	36.1 oz (1.023 kg)
Media Type		
Direct thermal receipt paper: Standard, premium, heavy duty, long-life, image protect, hi-temp, all weather	Direct thermal receipt paper: Standard, premium, heavy duty, long-life, image protect, hi-temp, all weather	Direct thermal receipt paper: Standard, premium, heavy duty, long-life, image protect, hi-temp, all weather
Maximum Print Width		
1.89" (48 mm)	2.83" (72 mm)	4.10" (104mm)
Media Roll Width		
2.24" (57 mm)	3.14" (80 mm)	4.37" (111 mm)
Maximum Media Roll Capacity (O.D.)		
1.50" (38.1 mm) maximum roll diameter	1.37" (34.9 mm) maximum roll diameter	2.00" (50.8 mm) maximum roll diameter
Media I.D. Core		
0.4" (10.16 mm)	0.4" (10.16 mm)	0.4" (10.16 mm)
Media Thickness		
0.002" to 0.004" (0.05mm to 0.10mm)	0.002" to 0.004" (0.05mm to 0.10mm)	0.002" to 0.006" (0.05mm to 0.15mm)
Endurance (on a single battery charge)		
Prints approx. 2,640 - 6" long receipts	Prints approx. 1580 - 6" long receipts	Prints approx. 986 - 6" long receipts
Memory		
4MB Flash / 2MB RAM	4MB Flash / 2MB RAM	4MB Flash / 2MB RAM

product specifications

physical characteristic

- Drop specification:
  – 4 ft. (1.2 m)

user environment

- Operating temperatures:
  14°F to 122°F (-10°C to 50°C)
- Storage temperatures:
  -4°F to 140°F (-20°C to 60°C)
- Charging temperatures:
  41°F to 104°F (5°C to 40°C)
- Relative humidity range:
  10% RH to 85% RH non-condensing
- ESD protection:
  8kV air gap, 4kV contact

print technology

- Print head:
  – Direct Thermal
  – 203 dots per inch (8 dots per mm)
- Print mechanism speed:
  – 2 inches per second (51 mm per second) on Apex 2 and 3
  – 3 inches per second (76 mm per second) on Apex 4*

media

- Media type:
  – Direct thermal receipt paper (standard, premium, heavy duty, long-life, image protect, hi-temp, and all weather).
  – For optimum print quality and printer performance, use Certified Datamax-O'Neil supplies

communication

- Serial: (Apex 2 and Apex 3 only)
  – RS232, up to 115.2 kbps
- USB:
  – 2.0 (Apex 4 and Apex 3 only)
- Bluetooth (Class 1):
  – Version 2.1
- IrDA: (option)
  – IrLPT v1.0
  – IrCOMM v1.0

barcodes/fonts/graphics

- Linear: Codes 39, Code128 A/B/C, UCC/EAN-128, Interleaved2 of 5, UPC/EAN/JAN, Codabar, GSI Databar, Code 93
- 2D Symbologies: PDF417, QR Code
- Optional characters:
  Simplified & Traditional Chinese, Hebrew, Arabic, Polish, Greek, Cyrillic, Thai, Vietnamese, Hagul (Korean)
- Graphics:
  Supports 8-bit graphic printing, custom font, logo downloading
- Standard fonts;
  – ASCII, International, PC Line draw
  – 12CPI, 16CPI, 19CPI, 21CPI, 24CPI, 13CPI rotated

software

- Configuration Utility includes:
  – Firmware Upgrade
  – Font Download
  – Bluetooth® Set-up
  – Communications Parameter set-up
  – Printer Custom Attributes Set-up
  – Logo Download
- Drivers:
  – Windows, CE and Desktop
- Form Fiesta Page Printing Utility

options

- Bluetooth or IrDA
- Integrated magnetic stripe card reader

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*

Looking for a desktop label printer?

Datamax-O'Neil manufactures an extensive selection of desktop label printers that are ideal for manufacturing, warehouse, healthcare, ticketing, postal services and RFID labeling requirements. Competitive custom and standard media products are also available for all your label, receipt and ticketing needs.

Included with each Apex 2 and Apex 3 printer:

(1) Battery, (1) Roll of media, (1) Shoulder strap, and (1) AC adaptor.

Included with each Apex 4 printer:

(1) Battery, (1) Roll of media, (1) Shoulder strap, and (1) AC adaptor.

RJ11 Serial Cable

Battery Charger

IP54 Soft Cases

Belt Clip

recommended

Cigarette Lighter Adapter	Allows you to charge the printer from the vehicle cigarette lighter
RJ11 Serial Cable	DB9 F coiled right angle cable for connecting to a laptop or desktop computer
USB Cable	USB data cable with gold plated contacts
Cleaning Cards	Use of clean cards is recommended to extend the life of the printhead. (visit www.datamax-oneil.com/supplies for more information)

optional

Battery	Spare Li-Ion battery
Battery Charger	2 Bay battery charger for charging Li-Ion Batteries *(batteries not included)*
IP54 Soft Cases	Protects your printer from environmental elements such as dust and moisture; meets IP54 compliance standards
Belt Clip or Shoulder System	Allows the user to comfortably carry the printer on the shoulder or on the belt; keeps the printer secure

Light weight, Fast and Economical

We recognize that not all applications require heavyweight, ultra rugged, drop-it-off-a-building or run-it-over-with-a-truck portable printers. The Apex series printer line is "just enough" to get the job done without slowing down or sacrificing accuracy. The Apex's fast print speed, ample memory and fast processing power keeps pace with printers costing almost twice as much. The lightweight, compact design allows the printers to be worn comfortably through a complete shift. The durable housing and rubber over mold will endure the bumps and knocks of the typical workday. User friendly, the Apex printers have a simple drop-in paper system allowing users to quickly replace paper rolls and a high capacity battery that lasts through a 12 hour shift. Users can go through a busy day knowing that the Apex printers will keep up with them.

ISO 9001:2008 CERTIFIED

to learn more, visit www.datamax-oneil.com

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