



Apex 4

4" (112mm) Portable Printer
with USB and Class 2 Bluetooth® as Standard

The lightweight, rugged Apex 4 is the latest addition to Extech's Apex Series of printers. With USB and Class 2 Bluetooth® communication as standard, the Apex 4 completes the Apex printer series. With the Apex 4, Extech Instruments has expanded the variety of communication options to include Serial, IrDA, Class 1 Bluetooth, Wi-Fi and/or 3 Track Magnetic Card Reader. This versatile printer includes two proprietary software applications: Cassini Configuration Utility and Form Fiesta. Cassini allows the developer to set-up the printer in the solution quickly and easily. Form Fiesta is an intuitive form design tool that writes the code as you design the form. The Apex 4 is ideal for forms printing applications such as traffic citations, utility invoices, or boarding passes. Apex 4 prints quickly and efficiently with the simplicity of using Form Fiesta and many built-in features.

Comfortable to Wear and Easy to Use

- Comfortable to wear all day with belt loop system or shoulder strap
- "Drop-in" paper load system
- Easy battery replacement
- 15 month warranty (including print head)
- Optional extended warranty programs available
- Built-in Bootloader for in-field firmware updates

Rugged & Lightweight

- Cyclac housing and rubber bumpers - Multiple drop tests to steel from 1.5 metres
- IEC68 product testing for operating temperature, storage temperature, humidity, shock and vibration
- IEC 60950 Product Safety Certification also means that workers can be confident using the printer during home visits
- Add the Extech IP54 carrying case for extra protection against dust and water

Powerful

- All the features supported by the Apex 4 are managed by a powerful ARM-7, 32 Bit microcontroller
- Firmware and resident fonts are integrated into a Flash based CPU
- 4MB Flash and 1MB SRAM memory is under direct user control to store logos, fonts, graphics and barcodes
- Powered by a high capacity, long-lasting Lithium-Ion battery cartridge (7.4V; 2200mAh) - Can be charged either internally or in an external battery charger

Easy to Integrate

- Multiple communication interfaces
- Comes standard with USB and Bluetooth® (Class 2)
- Optional RS232, IrDA, Class 1 Bluetooth®, Wi-Fi, and/or 3-Track Magnetic Card Reader
- Increased number of downloadable fonts and proportional fonts
- MS-DOS and Windows compatible with full-speed handshake
- Printer drivers available for Windows 95, 98, 2000, XP and Vista
- Print utilities available for most Mobile Operating Systems
- Emulations for many popular brands available

Typical Applications:

- Invoicing/Credit Card Receipts
- Route Accounting/ DSD
- Ticketing
- Remote POS Sale

Typical Vertical Markets:

- Field Service
- Law Enforcement
- Utility
- Retail
- Field Sales

Maxatec
portable printers



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Technical Specifications	
Printing Method	Direct Thermal
Resolution	203 dpi/ 8 dots mm
Printing Width	4.1" (104mm)
Print Speed	Up to 3" per second
Paper-Out/TOF Detection	Auto Black Mark Sensing w/presenter
Service Life - Pulse	100 million MCTF
Service Life - Abrasion Resistance	50KM
Operating Characteristics	
Printing Mode	Extech Line Print Mode, Page Printing Mode
Character Set	ASCII International PC Line Draw
Int'l Character Sets	Simplified and traditional Chinese, Hebrew, Arabic, Polish, Greek, Cyrillic
Fonts	3 Resident Font tables 6 Downloadable Font tables Bold Font and Proportional Font
Graphic Print	Supports 8-bit graphic printing, custom font, logo downloading @ 203dpi
Logos	8 logo locations of 64K each
Barcode Symbologies: Linear	Code 39, Code128 A/B/C, UCC/EAN-128, Interleaved2 of 5, UPC/EAN/JAN and Codabar
Barcode Symbologies: 2D	PDF417
Memory	1MB SRAM, 4 MB Flash
CPL	41, 52, 69, 80, 83, 92,104 (Applies to resident fonts & downloadable fixed fonts)
Print Contrast	Auto and user selectable
Print Media	
Media Type	Direct Thermal Paper (Standard is Kansaki P390)
Paper Width	4.375" (112mm)
Max Roll Size	100'Length @ OD: 2"
Roll Core ID	0.4"
Paper Rolls per Charge	~5
Total Length per Charge	~235 ft (71.6m)
Power	
Battery	Internal Rechargeable 2 cell Lithium-Ion battery (2200mAh)
Battery Life	80% of original capacity after 300 cycles
Charging Time	180 Minutes
External Charging Options	
DC Power Pack	100V~240V AC Input 10V/2.4 output

In-Vehicle Charger	10.8V~30V Input 10V to 4A output, Cigarette Lighter Adaptor
Power ON/OFF	Power ON/OFF switch. Auto power down timer can be set or disabled through user application.
User Interfaces	
Status Indicators	3 LEDs (2 are multi functioning): Power/ERROR, Charging, Ready/Fault
User Switches	2 Switches - Power (On/Off), Feed
Mechanical	
Construction	Cyclac Enclosure with Santoprene™ over moulding
Dimensions	7.4"Lx6.5"Wx2.5"H (191 Lx166Wx63H mm)
Weight	22 oz (648g)
Warranty	
Standard	15 month standard
Optional	Up to 5 year programs at extra charge
Environmental Specifications	
Operating Temp	14° to 122°F (-10° to 50°C)
Storage Temp	-4° to 140°F (-20° to 60°C)
Charging Temp	32° to 122°F (0° to 50°C)
Humidity	122F° (50°C) @ 85% RH for 96 Hours
Drop	Exceeds industry standard for drop
Agency Approvals	
CC: Part 15 Subpart B, Class B CE: EN60950 CE: EN55022 Class B; CE: EN61000-3-2; CE: EN61000-3-3; CE: EN50024 AS/NZ: 3548 Class B Complies with EMC Directive 89/336/EEC and Low Voltage Directive 73/23/EEC Conforms to ANSI/UL STD 60950 and Certified to CAN/CSA STD C22.2 No. 60950-00 CB Certified, No. 60950-00 GS Certified, #04US00384-1 ETL Listed, control # 3046813 IEC 68 certified IP54 Rated (with Environmental Case)	
Software	
Extech Configuration Utility includes: <ul style="list-style-type: none"> • Extech Bluetooth® Configuration utility • Font Download • Bluetooth® Set-up • Wi-Fi Set-Up • Communications Parameter set-up Form Fiesta Page Printing Utility Printer Default Set-Up Bootloader for Uploading Firmware	

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