APEX 2

2.25" (58mm) Compact, Lightweight Portable Printer with Class 2 Bluetooth® as Standard

The newest addition to Extech's 2" receipt printer line is designed for today's mobile worker – powerful, rugged, lightweight and easy to use. As the first printer to include Class 2 Bluetooth® as part of the standard communication offerings, the Apex 2 changes the communication standards for portable printers. 3-Track Magnetic Card Reader and Wi-Fi options, memory of 1MB (SRAM)/4MB (Flash) and Extech's Form Fiesta utility makes the Apex 2 the perfect receipt printer for Field Service, Route Accounting and Ticketing applications

✓ 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 Available

✓ Rugged

- Cycolac housing and rubber bumpers
    - Multiple drop tests to steel from 1.5 meters
- 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 2 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

✓ Easy to Integrate

- Multiple communication interfaces
    - Comes standard with Serial and Bluetooth® (Class 2)
    - Optional 802.11b/g
    - Optional 3-Track Magnetic Card Reader
- MS-DOS and Windows compatible with full-speed handshake
- Print 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 Vertical Markets
- Field Service
- Law Enforcement
- Utility
- Retail

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

Ticketing: Increase efficiency and collection of fines with thermal printed citations

Route Accounting: Quickly and easily capture sales and payments while providing quick, clean receipts at the time of purchase or delivery.

Rev. 2/18/09 - R1

Print Mechanism:

Printing Method:	Direct Thermal
Print Resolution:	203 dpi/ 8 dots mm
Printing Width:	1.89" (48mm)
Print Speed:	Up to 2.2" per second
Paper-Out/TOF Detection:	Photo Interrupter
Service Life:	
Pulse:	100 million MCTF
Abrasion Resistance:	50KM

Operating Characteristics:

Printing Mode:	Extech Line Print Mode Page Printing Mode
Character Set:	ASCII International PC Line Draw Various Resident Fonts
Int'l Character Sets:	Simplified & Traditional Chinese, Hebrew, Arabic, Polish, Greek, Cyrillic
Optional Character Sets:	Downloadable fixed-width fonts
Graphic Print:	Supports 8-bit graphic printing, custom font, logo downloading
Barcode Symbologies:	
Linear:	Codes 39, Code128 A/B/C, UCC/EAN-128, Interleaved2 of 5, UPC/EAN/JAN and Codabar
2D:	PDF417
Memory:	1MB SRAM, 4MB Flash
CPL:	8, 19, 24, 32, 38, 42, 48
Print Contrast:	Auto and user selectable

Print Media:

Media Type:	Direct Thermal Paper (Standard is Kansaki P390)
Paper Width:	2. 25" (57mm)
Max Roll Size:	56' Length @ OD: 1.5"
Roll Core ID:	0.4"
Paper Rolls per Charge:	~12
Total Length per Charge:	~624 ft (189.6.6m)

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: Input 10V/1.32 output	100V~240V AC
In-Vehicle Charger:	10.6V~30C Cigarette Lighter Adaptor
External Charging Options:	Power ON/OFF switch, or by raising RTS input,or sending a single character through serial input. Auto power down timer can be set or disabled through user application.

User Interface:

Status indicators:	3 LEDs (2 are multi functioning): Power/ERROR, Charging, Ready/Fault
User Switches:	2 Switches - Power (On/Off), Feed

Mechanical:

Construction:	Cycolac Enclosure with Elastomer for extra protection
Dimensions:	5.4"Lx4"Wx2.2.4"H (135.5L x103.2Wx 60.9Hmm)
Weight:	11oz (314g)
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:
- Font Download
- Bluetooth® Set-up
- Wi-Fi Set-Up
- Communications Parameter set-up
- Printer Custom Attributes Set-up
- Logo Download

Form Fiesta Page Printing Utility
Bootloader for Uploading Firmware

The Apex 2 comes complete with the following:

- RS232
- Class 2 Bluetooth®
- Belt Loop System
- Battery
- 1 Roll of Media
- Universal Adaptor
- Cleaning Pen
- Quick Guide
- 15 month warranty

Communication Options:

- Wi-Fi
- 3-Track Magnetic Card Reader

Optional Accessories:

- 2-Bay Battery Charger
- IP54 Environmental Case
- Shoulder Strap w/Quick Clip
- 10.6V~30V In-Vehicle Adaptor
- Coiled Cable, Straight Plug (RJ to D9)

Print Utilities available for:

- Windows CE
- Pocket PC
- WM5
- WM6
- Palm

Compatible with the following SDKs:

- PrinterCE
- PrinterCE.NET CF
- PrintBoy
- Stevens Creek

Rev. 2/18/09 - R1