

## KEY FEATURES

Magnesium alloy housing is fully sealed; meets rigorous environmental specs of MIL-STD-810F

Integrated CD RW / DVD ROM or optional CD RW / DVD RW

Intel Pentium M, 1.8 GHz Processor

Fingerprint image reader provides convenience and security

On-board digital video recorder

Motorola's Advanced Dock Solution with hot-docking capability and automatic antenna switching

The full-sized, feature-rich ML 900 features a sunlight readable, high resolution LCD Panel that provides high quality detailed graphical images, fingerprints and mugshots on a 13.3" display.

The ML 900 runs Windows® XP operating systems and supports a wide range of wireless options including embedded EV-DO/1xRTT, embedded GPRS/EDGE/UMTS, MOTOMESH, Motorola DataTAC, 802.11abg, GPS and Bluetooth.

Innovative, patented antenna design

Motorola's patented thermal management solution

Field replaceable 3-D shock mounted hard drive with heater



# ML 900

## Mobile Laptop Computer

With more than 75 years of technological innovations and over 30 years of wireless data expertise, Motorola has an answer for your mobile data needs.

Top to bottom, handle to hinge, the ML 900 is Motorola-designed and developed for remarkable flexibility, versatility and durability. This ultra-robust, ruggedized laptop meets and exceeds MIL-STD 810F standards. Full-sized and full-featured, it is our most advanced mobile laptop computer, ready to handle the demands of the mission-critical world.

Experience Motorola quality and design with advanced features such as Intel Pentium M 1.8 GHz processor; shock mounted removable 40 GB hard drive with heater; high-resolution, glare-free XGA screen; full-sized 13.3" Touch display; integrated CD RW / DVD ROM or optional CD RW / DVD RW; Fingerprint ID reader for added security; fully-sealed keyboard, backlit optional; automatic external antenna switching with advanced hot-dock solution; on-board digital video recorder.

For the most complete set of wireless options with the most rugged design – choose the ML900 Mobile Laptop!

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**SYSTEM FUNCTION (ML 900)**

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|                        |  |
|------------------------|--|
| CPU                    | Intel Mobile Pentium M 1.8 GHz Processor with Motorola's patented thermal management system<br>400 MHz System Bus supports the Intel Speed Step Technology   |
| Memory                 | Standard: 512 MB<br>Max.: 2 GB (field replaceable)   |
| Video Graphics Adapter | Intel embedded video graphics 855 GME (shared 64MB)<br>MotionComp capability, support hardware aid for DVD playback<br>Support Dual View function<br>LCD/CRT simultaneous display capability<br>1600x1200x16bpp Max. resolution for external CRT |
| Display                | 13.3" transmissive XGA (1024x768) LCD touch Panel  |
| Hard Disk Drive        | 40 GB standard shock-mounted; Optional 60GB HDD and 80GB HDD   |
| Drive Bay              | Integrated CD RW /DVD ROM (Combo Drive) standard; CD RW /DVD RW (Dual Drive) optional  |
| Floppy Disk Drive      | External USB floppy (optional)   |
| Keyboard               | Full travel QWERTY, fully-sealed keyboard (backlit optional); rubberized version (optional)  |
| Pointing Device        | A touch-sensitive 4 button control pad with Microsoft Win Mouse function coexist and<br>Touchscreen panel  |
| Fingerprint Scanner    | 500 dpi  |
| PCMCIA                 | Type II x 1 – CardBus support  |
| Audio                  | AC97 audio support<br>MS-Sound compatible<br>Built-in two speaker (Stereo)<br>Microphone in port<br>Earphone/Speaker out port  |
| I/O Port               | 1 x Serial<br>2 x USB 2.0<br>1 x RJ11 V.90/92 Modem<br>1 x DVI-I port<br>1 x Composite video input<br>1 x DC input<br>1 x Shrouded Hot-docking port<br>1 x RJ-45 100 Base-TLAN<br>1 x Fingerprint image reader                                   |
| Battery                | Smart Li-Ion 6000 mAh (Battery life: 3-3.5 hours under typical use)  |
| AC adapter             | Universal AC adapter – Input: 100-240 V, 50/60 Hz AC   |

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**PHYSICAL**

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|                  |   |
|------------------|---|
| Dimensions       | 11.7" x 9.4" x 1.8" / 296 mm x 239 mm x 45 mm |
| Weight           | 4.1 kg (9.0 lbs.)                             |
| Operating System | Support Windows XP                            |

## ENVIRONMENTAL STANDARDS (MAIN SYSTEM)

|   |  |
|---|--|
| Temperature                               | According to IEC 68-2-1,2,14 / MIL-STD-810F, Method 501.4, 502.4<br>Operating: -20°C to 50°C (Tested)  |
| Humidity                                  | According to IEC 68-2-30 / MIL-STD-810F, Method 507.4<br>5% to 95% RH, non condensing  |
| Altitude                                  | According to IEC 68-2-30 / MIL-STD-810F, Method 500.4<br>Operating: 15,000 ft<br>Non-operating: 40,000 ft altitude change rate: 2,000 ft/min   |
| Drip                                      | According to MIL-STD-810F, Method 506.4  |
| Shock                                     | According to IEC 68-2-27 / MIL-STD-810F, Method 516.5<br>Operating: 15g, 11 ms, half sine wave<br>Non-operating: 50g, 11 ms, half sine wave  |
| Vibration                                 | According to IEC 68-2-6 / MIL-STD-810F, Method 514.5<br>Operating: 10~55Hz/0.075mm, 55~500Hz/1.0g<br>Non-operating: 10~55Hz/0.15mm, 55~500Hz/2.0g  |
| Dust                                      | According to MIL-STD-810F, Method 510.4<br>5 hours in dust-laden atmosphere  |
| Drop                                      | According to IEC 68-2-32 / MIL-STD-810F, Method 516.5<br>Standard unit survives 3 Feet free drop (base unit)<br>Carrier unit survives 2.5 Feet drop  |
| Enclosure                                 | According to IEC 529, NEMA, MIL-STD-810F, Method 506.4, 510.4  |
| Regulatory                                | FCC part 15, Subpart B, Class B, UL, CE, IC  |
| Integrated Wireless Communication Options | 1 x MOTOMESH<br>EV-DO/1xRTT/CDMA<br>HSDPA/UMTS/GPRS/EDGE/GSM<br>1 x Wide Area RF (Private DataTAC)<br>1 x Wireless LAN (802.11abg with LEAP)<br>1 x Global Positioning System (GPS) receiver<br>1 x Personal Area Network (Bluetooth™ or IR)<br>RF passthrough for Wide Area and GPS when Docked (for external antennas) |
| Accessories and Options                   | Battery<br>Vehicle Docking Station<br>Mobile Office Display Solution (MODS: for dual display in-vehicle use)<br>USB FDD (External)<br>CD RW / DVD RW (Dual Drive)  |
| Warranty                                  | 3 year full warranty standard (1 year consumables)<br>24/7 Phone support   |

ML 900 shown  
closed for convenient  
portability.





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