

## Specification Sheet

### MOBILE LAPTOP COMPUTER ML 900



**MOTOROLA**  
intelligence everywhere™

With more than 75 years of technological innovations and over 30 years of wireless data expertise, Motorola has the answer to the mobile data device you envision.

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 or 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 4-M 1.7 GHz processor; shock mounted removable 40 GB hard drive with heater; high-resolution, glare-free XGA screen; full-sized, 12.1" or 13.3" display; integrated CD-ROM or CD-RW/DVD ROM; Fingerprint ID reader for added security; backlit, fully-sealed keyboard; automatic external antenna switching with advanced hot-dock solution; on-board digital video recorder.

Find everything you imagine – and more than you expect – in the Motorola ML 900 Mobile Laptop!

#### KEY FEATURES

- Magnesium alloy housing is fully sealed; meets rigorous environmental specs of MIL-STD-810F
- Integrated option for CD-RW/DVD ROM
- Intel Pentium 4-M, 1.7 GHz Processor
- Supports MODS: Mobile Office Display Solution. Use the ML 900 in tandem with a fix-mounted Motorola display and keyboard and the ML 900 acts as a CPU, offering the best of fixed & portable solutions
- 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 XGA LCD Panel that provides high quality detailed graphical images, fingerprints and mugshots available in both 12.1" and 13.3" configurations.
- The ML 900 runs Windows 2000 and Windows XP operating systems and is compatible with Motorola's Public Safety applications such as Premier MDC™, Tx Messenger™ and Airmobile™ software packages, as well as a host of third party applications
- Innovative, patented antenna design
- Motorola's patented thermal management solution
- Field replaceable 40 GB 3-D shock mounted hard drive with heater



*ml900.motorola.com*

## SYSTEM FUNCTION (ML 900)

<b>CPU</b>	Intel Mobile Pentium 4-M 1.7 GHz Processor with Motorola's patented thermal management system System Bus 400 MHz supports the Intel Speed Step Technology
<b>Memory</b>	Standard: 256 MB Max.: 1 GB (field replaceable)
<b>VGA Controller</b>	64 MB Video RAM MotionComp capability, support hardware aid for DVD playback Support Dual View function LCD/CRT simultaneous display capability 1600x1200x16bpp Max. resolution for external CRT
<b>Display</b>	12.1" transmissive XGA (1024x768) LCD Touch Panel or 13.3" transmissive LCD Touch panel
<b>HDD</b>	40 GB standard shock-mounted; field removable with heater
<b>Drive Bay</b>	Integrated CD-ROM standard; CD-R/W ROM / DVD-ROM combo (optional)
<b>FDD</b>	External USB floppy (optional)
<b>Keyboard</b>	Full QWERTY, fully-sealed keyboard (backlit optional); rubberized version (optional)
<b>Pointing Device</b>	A touch-sensitive control pad with Microsoft Win Mouse function coexist and Touchscreen panel (optional)
<b>Fingerprint Scanner</b>	500 dpi
<b>PCMCIA</b>	Type II x 1 – CardBus support
<b>Audio</b>	AC97 audio support MS-Sound compatible Built-in two speaker (Stereo) Microphone in port Earphone/Speaker out port
<b>I/O Port</b>	1 x Serial 4 x USB 2.0 1 x IEEE 1394 Firewire 1 x DVI-I port 1 x Composite video input 1 x DC input 1 x Shrouded Hot-docking port 1 x RJ-45 100 Base-TLAN 1 x Fingerprint image reader
<b>Battery</b>	Smart Li-Ion 6000 mAH
<b>AC adapter</b>	Universal AC adapter – Input: 100-240 V, 50/60 Hz AC

## PHYSICAL

<b>Dimensions</b>	11.7" x 9.4" x 1.8" / 296 mm x 239 mm x 45 mm
<b>Weight</b>	4.1 kg (9.0 lbs.)
<b>Operating System</b>	Support Windows 2000 and Windows XP

## ENVIRONMENTAL STANDARDS (MAIN SYSTEM)

<b>Temperature</b>	According to IEC 68-2-1,2,14 / MIL-STD-810F, Method 501.3, 502.3 Operating: -20°C to 50°C (Tested)
<b>Humidity</b>	According to IEC 68-2-30 / MIL-STD-810F, Method 507.3 5% to 95% RH, non-condensing
<b>Altitude</b>	According to IEC 68-2-13 / MIL-STD-810F, Method 500.3 Operating: 15,000ft Non-operating: 40,000ft altitude change rate: 2,000 ft/min
<b>Drip</b>	According to MIL-STD-810F, Method 506.3
<b>Shock</b>	According to IEC 68-2-27 / MIL-STD-810F, Method 516.4 Operating: 15g, 11 ms, half sine wave Non-operating: 50g, 11 ms, half sine wave
<b>Vibration</b>	According to IEC 68-2-6 / MIL-STD-810F, Method 514.4 Operating: 10~55Hz/0.075mm, 55~500Hz/1.0g Non-operating: 10~55Hz/0.15mm, 55~500Hz/2.0g
<b>Dust</b>	According to MIL-STD-810F, Method 510.3 5 hours in dust-laden atmosphere
<b>Drop</b>	According to IEC 68-2-32 / MIL-STD-810F, Method 516.4 3 Feet height free drop still survive, for base unit only.
<b>Enclosure</b>	According to IEC 529, NEMA, MIL-STD-810F, Method 506.3, 510.3 IP 54 compliance
<b>Regulation</b>	FCC part 15, Subpart B, Class B, UL, CE
<b>Integrated Wireless Communication Options</b>	1 x Wide area RF (GSM/GPRS, Private DataTAC, iDEN, CDPD) 1 x Wireless LAN (802.11b with LEAP) 1 x Global Positioning System (GPS) receiver 1 x Personal Area Network (Bluetooth™ or IR) RF passthrough for Wide Area and GPS when Docked (for external antennas)
<b>Accessories and Options</b>	External Battery charger Primary Battery Packs Vehicle Mount and Motorola Advanced Docking Solution Mobile Office Display Solution (MODS: for dual display in-vehicle use) USB FDD (External) CD-RW/DVD ROM integrated CD-RW/DVD ROM external Touchscreen
<b>Warranty</b>	3 year full warranty standard (1 year consumables) 24/7 Phone support Advanced replacement service (ARS) Quick-turn service

*ML 900 SHOWN  
CLOSED FOR  
CONVENIENT  
PORTABILITY.*





*Motorola's Commercial, Government and Industrial Solutions Sector is a recipient of the prestigious 2002 Malcolm Baldrige National Quality Award. This honor demonstrates our commitment to performance excellence and quality achievement.*



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