

# ML910™

## Rugged Notebook



### KEY FEATURES

The full-sized, feature-rich ML910 Rugged Notebook features a sunlight readable, high resolution LCD Panel that provides high quality detailed graphical images on a 13.3" Touchscreen display.

Configurable Media Bay with numerous options

Supports a wide range of wireless options including embedded EVDO/1xRTT, embedded

GPRS/EDGE/UMTS, Motorola Private DataTAC, 802.11abg, GPS and Bluetooth®

Innovative antenna design

Optimized thermal management solution

Field replaceable three dimensional shock absorber mounted hard drive with heater

Magnesium alloy and plastic housing is fully sealed; meets rigorous

environmental specs of MIL-STD-810F

Intel® Core™ Duo or Core 2 Duo Processor

Fingerprint image reader provides convenience and security

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

With more than 80 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 ML910 is Motorola-designed and developed for remarkable flexibility, versatility and durability. This ultra-robust, ruggedized notebook meets and exceeds MIL-STD-810F standards. Full-sized and full-featured, it is our most advanced rugged notebook computer, ready to handle the demands of the mission-critical world.

Experience Motorola quality and design with advanced features such as an Intel dual core processor; shock mounted removable 80 or 120 GB

hard drive with heater; high-resolution, glare-free WXGA (16:9) screen; full-sized 13.3" touch display; Configurable Media Bay with optional: CD RW/DVD ROM, CD RW / DVD RW, or Secondary Battery; fingerprint ID reader for added security; fully-sealed backlit keyboard; automatic GPS external antenna switching with advanced hot-dock solution; on-board digital video recorder.

For the most complete set of wireless options in a rugged design – choose the ML910 Rugged Notebook!

## SPECIFICATION SHEET

ML910™  
Rugged Notebook

### SYSTEM FUNCTION (ML910)

|                        |  |
|------------------------|--|
| CPU                    | Processor: Intel® Core™ Duo 1.66GHz (L2400) or Core 2 Duo 1.5GHz (L7400)<br>L2 Cache: 2MB with Core Duo; 4MB with Core 2 Duo<br>FSB: 667MHz  |
| Memory                 | 1 GB Standard, 4 GB Maximum (Total usable memory will be less, depending on configuration)   |
| Video Graphics Adapter | ATIMobility Radeon™ X1400 (dedicated 128MB)<br>MotionComp capability, support hardware aid for DVD playback<br>Supports Dual View function<br>LCD/CRT simultaneous display capability  |
| Display                | 13.3" transmissive WXGA (1280 x 800) LCD with touch screen 500+ NIT Brightness.<br>Touchscreen can be used with gloves.  |
| Hard Disk Drive        | 80 GB standard shock-mounted, with heater;<br>Optional: 120 GB hard disk drive   |
| Drive Bay              | Configurable Media Bay, Options:<br>CD RW / DVD ROM (Combo Drive), CD RW/ DVD RW (Dual Drive),<br>Secondary Battery  |
| Floppy Disk Drive      | External USB floppy (optional)   |
| Keyboard               | Full travel QWERTY, fully-sealed backlight keyboard; rubberized backlight keyboard (optional)  |
| Pointing Device        | Touchpad with 4 programmable buttons   |
| Fingerprint Scanner    | 500dpi (requires customer provided software application)   |
| PCMCIA                 | 1x External Type II - Cardbus support (Accessory PCMCIA to pci Express 34 converter card included)   |
| Audio                  | AC97 Audio Support, MS-Sound Compatible<br>High Definition Audio Codec (Azalia Compliant)<br>Built-in speakers (stereo)<br>Microphone In Port<br>Earphone/Speaker Out Port/ S/PDIF Output Port   |
| I/O Port               | 1x Serial<br>3x USB 2.0<br>1x RJ11 v.90/92 Modem<br>1x15 pin RGB External Monitor Output<br>1x Composite Analog Video Input Port<br>1x DC Input<br>1x Shrouded Hot-docking Port<br>1x RJ-45 10/100/1000 Base-TLAN<br>2x External RF Pass-Through Ports (1:GPS, 1:WWAN) |
| Battery                | Smart Li-Ion 7200 mAh<br>Secondary Battery (Media Bay Option) 3500 mAh   |
| AC Adapter             | Universal AC adapter – Input: 100-240 V, 50/60 Hz AC   |

### PHYSICAL

|                  |  |
|------------------|--|
| Dimensions       | 3.2" x 11.1" x 13.2" (336mm x 283mm x 78mm)  |
| Weight           | 9.8 lbs (4.5 kg)   |
| Operating System | Microsoft® Windows Vista™ Business Edition, SP1 (32 bit), with downgrade rights to Windows® XP Professional, SP2 |

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### ENVIRONMENTAL STANDARDS (MAIN SYSTEM)

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|--|--|
| Temperature                                  | According to IEC 68-2-1,2,14 / MIL-STD-810F, Method 501.4, 502.4<br>Operating: -20°C to 60°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: 20g, 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 (base unit only)<br>Survives 30-36" drop depending on configuration  |
| Enclosure                                    | According to IEC 60529 IP54 (Ingress Protection rated "5" for dust and "4" for splashing water),<br>NEMA, MIL-STD-810F, Method 506.4, 510.4  |
| Regulatory                                   | FCC part 15, Subpart B, Class B, UL, CE, IC  |
| Integrated Wireless<br>Communication Options | 1x Wide Area RF (Private DataTAC or EVDO (RevA)/1xRTT or GPRS/Edge/UMTS) (optional)<br>1x Wireless LAN (802.11abg with LEAP) Standard<br>1x Global Positioning System (GPS) receiver (Trimble Lassen iQ GPS Module) (optional)<br>1x Personal Area Network (Bluetooth) Standard<br>RF Pass-through with external Antennas for Wide Area Network and GPS (optional) when<br>Docked in High-Tier Docking Station   |
| Accessories and Options                      | Primary and Secondary Batteries<br>Office Port Replicator/Docking Station<br>Vehicle Docking Station (High-Tier, Mid-Tier)<br>External Mounted GPS and WWAN antennas<br>DC 12V Cigarette Lighter Adapter<br>USB Floppy Disk Drive (External)<br>Configurable Media Bay Options: CD RW / DVD ROM (Combo Drive), CD RW/ DVD RW<br>(Dual Drive), or Secondary Battery.<br>PCMCIA Smart Card Reader<br>PCMCIA Motorola Mesh Modems (WMC 6300, WMC 7300, WDE 1000)<br>Mobile Office Display Solution (MODS: for functional dual display in-vehicle use) |
| Warranty                                     | 3 Year Full Warranty Standard (1 Year Consumables, e.g. batteries)<br>Extended Service Plans Available   |

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**MOTOROLA**

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R3-14-2050D (0810)