**ML 850
MOBILE LAPTOP**

MOTOROLA
intelligence everywhere™

With more than 75 years of technological innovations and over 30 years of wireless data expertise, Motorola has a Mobile Data Device to answer your mobile data needs.

The ML 850 is Motorola-designed and developed for remarkable flexibility, versatility and durability. This robust, rugged laptop meets or exceeds all tested MIL-STD 810F standards. This full-featured mobile laptop computer is not only ready to handle the demands of the mission-critical world, but can enhance the efficiency and productivity of your mobile workforce.

Experience Motorola quality and design construction with key features such as Intel 1.1 GHz processor based on the Centrino architecture; shock mounted high-capacity hard drive; high-resolution, glare-free 12.1" screen; backlit, fully-sealed keyboard; integrated WLAN (standard); supports integrated Wireless Wide Area Networks such as: Private DataTAC; GPRS; or CDMA; all this in a package that meets MIL STD 810F.

Find everything you imagine -- and more than you expect – with Motorola Mobile Data Devices!

KEY FEATURES

- Fully sealed; Magnesium alloy housing is meets rigorous environmental specs of MIL-STD-810F
- Intel 1.1 GHz Processor based on Centrino architecture
- Motorola's advanced dock solution with hot-docking capability
- High resolution 12.1" XGA LCD Panel or transflective SVGA LCD panel provides high quality detailed graphical images, fingerprints and mugshots

- Runs Windows 2000 and Windows XP operating systems
- Compatible with Motorola's Public Safety applications such as Premier MDC™, Tx Messenger™, Fireground, and Airmobile™ software packages.
- Motorola's patented thermal management solution
- 20 or 40 GB 3-D shock mounted hard drive with heater
- Compatible with Motorola's MODS (Mobile Office Display Solution)

SYSTEM FUNCTION (ML 850)	
CPU	Intel 1.1 GHz Processor based on the Intel Centrino architecture with Motorola's patented thermal management system; integrated WLAN standard
	400 MHz System Bus supports the Intel's Speed Step Technology
Memory	256 MB; expandable to 512 MB One 200-pin PC2100 DDR SODIMM socket for memory expansion
VGA	Chipset with integrated graphics controller • Supports AGP 4X • Dual View function • LCD/CRT simultaneous display capability
Video Memory	64 MB
Display	12.1" transmissive SVGA (800 x 600) or XGA (1024 x 768) LCD with optional touch panel Sunlight readable 12.1" transflective high-contrast SVGA (optional)
HDD	20 GB standard shock-mounted with heater; 40 GB available
FDD	External (via USB)
Keyboard	Full QWERTY fully sealed membrane keyboard; backlit rubberized version optional
Pointing Device	A touch-sensitive control pad with Microsoft Win Mouse function coexist; Touchscreen panel (optional)
PCMCIA	One Type II CardBus support
Integrated Wireless Communication	One Wireless Wide Area Network: (GSM/GPRS, Private DataTAC, iDEN, CDMA) (optional)
	One x Wireless LAN (802.11b with LEAP) standard (WLAN supports Intel PRO/Wireless 2100 LAN mini-PCI type 3B adapter and Intel PROset software)
Audio	AC97 audio support
	MS-Sound compatible
	One built-in speaker (Mono)
	Microphone-in port
	Earphone/Speaker out ports
I/O Port	One x RS-232 Serial port
	Two x USB 2.0
	One x VGA out
	One x PS/2 keyboard / mouse port (either one active)
	One x DC input
	One x Shrouded Hot-docking port
	One x RJ-45 100 Base-T LAN module
	One x RJ-11 56 Kbps Software Modem Port
	Microphone-in & Earphone out ports

ELECTRICAL	
Battery	Smart 9 cell Li-ion 6000 MAH
AC adapter	Universal AC adapter, 100-240 V, 50/60Hz AC

PHYSICAL

Dimensions	10.8" x 9.4" x 1.7" / 276 mm x 239 mm x 43 mm
Weight	6.2 lbs/ 2.8 kg (excluding optional radios)
Operating System	Windows 2000 or Windows XP

ENVIRONMENTAL STANDARDS (MAIN SYSTEM)

Temperature	Operating: -20°C to 50°C (Tested) Per IEC 68-2-1,2,14 / MIL-STD-810F, Method 501.4, 502.4;
Humidity	According to IEC 68-2-30 / MIL-STD-810F, Method 507.4; 5% to 95% RH, non-condensing
Altitude	Operating : 15,000ft Non-operating : 40,000ft altitude change rate : 2,000 ft/min According to IEC 68-2-13 / MIL-STD-810F, Method 500.4;
Drip	Per MIL-STD-810F, Method 506.3
Shock	Operating : 15g, 11 ms, half sine wave Non-operating : 50g, 11 ms, half sine wave According to IEC 68-2-27 / MIL-STD-810F, Method 516.5;
Vibration	Operating : 10~55Hz/0.075mm, 55~500Hz/1.0g Non-operating : 10~55Hz/0.15mm, 55~500Hz/2.0g According to IEC 68-2-6 / MIL-STD-810F, Method 514.5;
Dust	5 hours in dust-laden atmosphere Per MIL-STD-810F, Method 510.4;
Drop	3 Feet height free drop still survive, (base unit only.) According to IEC 68-2-32 / MIL-STD-810F, Method 516.5;
Enclosure	According to IEC 529, NEMA, MIL-STD-810F, Method 506.4, 510.4; IP 55 compliance
Regulation	FCC part 15, Subpart B, Class B, UL, CE

ACCESSORIES AND OPTIONS

Battery charger

Car Adapter (12-32 VDC)

Primary Battery Pack

Vehicle Mount and/or Motorola Advanced
Docking Solution

Mobile Office Display Solution (MODS: for dual display
in-vehicle use)

USB FDD (External)

DVD/CD-ROM drive (External)

Touchscreen

Backlit membrane keyboard

Sunlight readable high contrast display
ML 850 office dock w/drives

WARRANTY AND SUPPORT

3 year full warranty standard (1 year consumables)

24/7 Phone support

Quick-turn service

ML 850 SHOWN CLOSED FOR CONVENIENT PORTABILITY.

www.motorola.com/ruggedpower

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R3-14-2018