

WORKBOOK IV, *born to be rugged*

Drop resistant, **Shock resistant** and **Spill resistant**
-A notebook tough enough to survive under real world conditions



Drop Resistant
Magnesium alloy case
Optical drive lock design



Spill Resistant
Spill resistant keyboard,
touchpad and buttons



Shock Resistant
Anti-shock mounted HDD
Anti-shock mounted LCD screen

WORKBOOK IV



Rugged Outside:

- Rugged Spec. Drop / Shock / Spill - Military 810 F Standard

Security Feature:

- One smart card socket for identity protection & TPM 1.2 support

Performance Inside:

- Intel® Centrino® Duo Mobile Technology
 - Intel® Core™2 Duo processor (4MB L2 Cache, 667MHz FSB)
 - Intel® Pro/Wireless LAN 3945BG (802.11a/b/g)
- Genuine Windows® XP Professional Edition
- One serial port with optional external second serial port and one parallel port.
- DDRII 533 / 667 SDRAM, 3GB Max RAM. (2GB+1GB).
- 14.1-inch XGA TFT DuraBrite screen
- High speed Ethernet support 10/100/1000 Mbps



Workbook IV Specifications	
CPU	<ul style="list-style-type: none"> Intel® Core™ Duo Processor 1.6GHz (FSB 667Mhz) 2MB L2 Cache Standard Intel® Core™ 2 Duo Processors 1.83 / 2.0 / 2.16 / 2.33GHz (FSB 667Mhz) 2 ~ 4MB L2 Cache Optional
Core Logic	<ul style="list-style-type: none"> North Bridge: Intel® 945GM Express South Bridge: Intel® ICH7-M
Memory	<ul style="list-style-type: none"> Two Dual Channel DDRII 667Mhz SDRAM SODIMM Slots each for 512MB / 1Gb / 2GB (Max 4GB) 512MB Standard
Video System	<ul style="list-style-type: none"> Built in Intel® 950 - Intel® Enhancement AGP BUS Equivalent Hardware 2D/3D Video Graphic Accelerators - Shared System Memory 224MB (Intel® Driver Dynamic Changed)
Display	<ul style="list-style-type: none"> 14.1" TFT LCD with Non-Glare XGA (1024x768) Resolution SXGA (Factory Option) Optional Transflective Sun Light Readable LCD Upgrade
Hard Disk	<ul style="list-style-type: none"> 2.5" 9.5mm High Hard Disk Drive 40GB Standard Supports Optional 60 / 80 / 100 / 120 / 160GB 5400RPM Supports Optional 60 / 80 / 100 GB 7200RPM, SATA 150 or PATA (Factory Option Only) Anti Shock Mounted HDD (Safety of Vibration & Transportation) Standard
Communication	<ul style="list-style-type: none"> Internal 56Kbps V.90 Fax/Modem
LAN / Wireless	<ul style="list-style-type: none"> Integrated 10 / 100 / 1000Mbps Ethernet Internal Intel® Pro/Wireless 3945ABG 802.11a/b/g Bluetooth 2.0 Optional
PCMCIA	<ul style="list-style-type: none"> PCMCIA 2.1 Compliance, Supports One Type II PC Card Slot 32-Bit PC Card Bus 1.0 Architecture
Keyboard	<ul style="list-style-type: none"> Spill Proof Keyboard (85 US Keys with Windows Logo) Spill-Resistant C-Face (including Keyboard, Touchpad, Speakers, LED)
Optical Media Drive	<ul style="list-style-type: none"> One Optical Media Device with a Choice of: Combo Drive (CDRW / DVD) Optional Downgrade or DVD Dual (CDRW / DVDRW) Standard Multi (DVD-R / CDRW / DVDRW / DVD+RW_DL / DVD-RAM) Optional Upgrade Optical Disk Lock Standard
Pointing Device	<ul style="list-style-type: none"> Built-In Touchpad with Two Buttons & Support Right/Left and Roller
Floppy Disk Drive	<ul style="list-style-type: none"> Optional: External USB 3.5 Format, 720KB / 1.44MB / 1.2MB (3 Modes)
I/O Devices	<ul style="list-style-type: none"> One Smart Card Socket 4 in 1 Media Card Reader Support MS / MS Pro / SD / MMC
I/O Ports	<ul style="list-style-type: none"> Three USB2.0, 15 Pin D-Sub Connector for External Monitor, Line-Out Phone Jack for External Speakers Mic-In Phone Jack for External Microphone, RJ-11(56K V.90Modem), RJ-45(Ethernet -10/100/1000MB). S-Video port for TVSPDIF Jack, IEEE-1394 Fire Wire, 9 Pin D-Sub Connector for RS-232 Serial Port DC-In Jack, Type II PCMCIA Card Slot One 36 Pin D-Sub Connector for 2ND Serial & One Parallel Ports (Factory Optional Upgrade)
Audio	<ul style="list-style-type: none"> Compliant to Intel® High Definition Audio (Azalia) 24Bit output Built in Stereo Mic. Array 4 1Watt Stereo Speakers
AC Adapter	<ul style="list-style-type: none"> Input: 100 – 240V Auto-Sensing, 50 – 60Hz Output: 20Volts, 3.25 Amps, 65 Watts
Battery	<ul style="list-style-type: none"> Standard: 6 Cell 4400mAh Li-Ion (Approximate Run time of 3.5 Hours) Optional: 9 Cell 6600mAh Li-Ion (Approximate Run time of 5.0 Hours) Battery Protection Double Protection Smart Battery Circuitry prevents damage caused by current or voltage surges and Overheating. Smart Battery Calibration helps fight the loss of battery capacity after repeated charge-discharge
Operating System	<ul style="list-style-type: none"> Standard: Windows XP Home with Service Pack 2 Optional: Windows XP Professional with Service Pack 2 Windows Vista Ready
Carry Bag	<ul style="list-style-type: none"> Standard: Vinyl Carrying Bag with Strap
Dimensions/Weight	<ul style="list-style-type: none"> 12.3 "(W) X 10.11" (D) X 1.39" (H) 5.73Lbs 2.6Kg with 6 Cell Battery or 6.16Lbs 2.8Kg with 9 Cell Battery 328 x 272 312.5mm (W) X 257mm (D) X 36~38.3mm (H)
Available Accessories (Partial List)	<ul style="list-style-type: none"> Transflective Sunlight Readable LCD, External USB Touch Screen, CPU, Hard Drive & Memory Upgrades Spare 6 Cell Battery, Extended 9 Cell Battery, Battery Charger, A/C Adapter, USB GPS with MS Streets & Trips 2007 USB Port Replicator, Universal DC & AC All-in-One Car Adapter, Universal Auto/Airline Adapter ,XP Pro Upgrade Mini FM Radio and TV Tuner USB Adapters, Optical Mouse, Rewritable disks (3) for DVD Super Multi Drive
<i>Environmental Specifications</i>	
Temperature	<ul style="list-style-type: none"> Operating: 5°C to 35°C ; Storage Temperature: -20°C to 60°C
Humidity	<ul style="list-style-type: none"> 20% to 80% RH, Non-condensing
Vibration	<ul style="list-style-type: none"> MIL-STD-810F, Method 514.4, Procedure I, Category 10, Fig 16 & 17 / ASTM 4169 Truck Transport, 11.5.2 Random Test, Assurance Level II
Drop	<ul style="list-style-type: none"> 26 Drops of 29 inches to Plywood over Concrete with Unit Off and Display Closed. 5 Units to Pass Simulate MIL-STD-810F, Method 516.4, Procedure IV, Height Modified.
Enclosure / Case	<ul style="list-style-type: none"> Magnesium Alloy Case – 20 Times Stronger than ABS Plastic, offering Higher Survival after drops and bumps. Added Protection to Critical Components, (I.E. CPU, RAM, HDD, and ODD) Rubber Protection Surrounding LCD & HDD Area (Added Protection Against Vibration)
EMI / Safety / Warranty	<ul style="list-style-type: none"> FCC, CSA, CE, CB / 2 Year Standard Warranty / Extended Express Service and Warranty Optional Upgrade
Security	<ul style="list-style-type: none"> Kensington Lock, Administrator Password, Boot Password, Optional Trusted Platform Module (TPM 1.2)

DuraTechUSA Inc. Certified 8(a) DBE, SBE, MBE, WBE

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