

# OPTIA® 13" Rugged Convertible Notebook

OPTIA®



## DESCRIPTION

The OPTIA® Rugged Notebook with convertible-tablet LCD is produced for the military, intelligence and law enforcement user that demands performance in the most severe tactical environments. The OPTIA® Notebook meets the Military Standard 810F specification for drop, shock and spill resistance. It is completely enclosed in magnesium alloy, has rubber corner protectors, and has protection doors for all IO ports and connectors. The user finds it easy to use in the field with its convertible sunlight readable 13.3" LCD and touch screen sensitivity. **Discriminating features such as 4 GB memory, storage up to 500 GB, internal DVD drive, integrated carry handle and standard fingerprint scanner combined with cost-effective pricing provides buyers a best-value and best-quality alternative.**

## RUGGEDIZED FEATURES

<b>Drop Resistance</b>	MIL-STD-810F-516.5, Procedure VI, 26times 91cm height free drop onto wood and concrete
<b>Spill Resistance</b>	MIL-STD-810F-506.4, Procedure II, IEC 60529 Edition 2.1 :2001-02-IPX4
<b>Shock Resistance</b>	Random Vibration Test (Operating) : ASTM 4169-99, Truck Assurance Level II, Schedule E Random Vibration (Non-Operating) : MIL-STD-810F, Method 514.5, Procedure 1, Category 24 Sine Vibration (Non-Operating): MIL-STD-810F, Method 514.5, Procedure 1, Category 24
<b>Dust Resistance</b>	MIL-STD-810F 510.4 Procedure I, IEC 60529 Edition 2.1 :2001-02-IP5X, IP-54 Compliant

## SYSTEM SPECIFICATIONS

<b>Processor</b>	Intel® Core™ 2 Duo U7500, ULV
<b>Standard Memory</b>	4GB DDR2-667MHz
<b>Storage</b>	160GB (up to 500 GB) SATA HDD, 7200 RPM
<b>Display</b>	13.3" Wide Active Matrix TFT LCD
<b>Resolution</b>	1280 x 800 WXGA
<b>Sunlight Readable</b>	NIT Rating of 1000
<b>Touch Screen</b>	Resistive Touch
<b>Handle</b>	Integrated Carry Handle
<b>DVD</b>	Internal DVD±RW Multi-drive
<b>Security</b>	Standard Integrated Fingerprint Scanner
<b>Keyboard</b>	Standard LED Back-lit

Note: Additional specifications on back.

**United Federal Systems, Inc.**  
1984 Isaac Newton Square W, Ste 206  
Reston, VA 20190

Tel: 703-956-9377  
Fax: 703-234-1575  
E-mail: [info@optia.com](mailto:info@optia.com)



## SYSTEM SPECIFICATONS—CONTINUED

<b>Operating System</b>	Windows Business Vista or Windows XP Pro
<b>Video Memory</b>	358 MB Shared Memory
<b>Keyboard Options</b>	87 Key for UK, German, or France
<b>Audio</b>	2 x Built in speaker 2 x Microphone
<b>I/O Ports</b>	1 x LAN RJ45 10/100/1000 1 x DC input 1 x VGA / D-sub 15pin 3 x USB 2.0 1 x SIM Card 1 x Audio Jack-Out 1 x Audio Jack : MIC-in 1 x PC Card Slot 1 x SD Card Reader 1 x Docking Connector (PoGo Pin) 1 x RS -232 1 x RJ11
<b>Wireless</b>	HSDPA/GPRS/GSM/WCDMA
<b>Communication</b>	Modem 56kbps (V.92)
<b>Power</b>	19V DC,4.74A, 90W, 2 pin compact power supply system, MIL-STD 461E
<b>Temperature</b>	High Temp: MIL-STD-810F 501.4 Procedures I (Storage) and II (operation) Low Temp: MIL-STD-810F 502.4 Procedures I (Storage) and II, III (operation) Operating: Standard 32°F to 122°F Boot Operating : -4°F to 122°F (with HDD Heater) Non Operating:-4°F to 158°F
<b>Altitude</b>	Operation: 10,000 ft Non-operation : 40,000 ft
<b>Battery</b>	Lithium Ion, 6+ Hours
<b>Dimensions</b>	13.5" (W) x 10" (D) x 2.3" (H) - closed configuration
<b>Weight</b>	8.4 lbs