



# Motion J3500

## PRODUCT SPECIFICATIONS

<b>Processor / Cache</b>	<ul style="list-style-type: none"> <li>• Intel® Core™ i7-680UM vPro™ Processor 1.46 GHz with Intel® Smart Cache (4MB of L3 cache, 2 Cores/4 Threads) or</li> <li>• Intel® Core™ i7-660UM Processor 1.33 GHz with Intel® Smart Cache (4MB of L3 cache, 2 Cores/4 Threads) or</li> <li>• Intel® Core™ i3-380UM Processor 1.33 GHz with Intel® SmartCache(3MB of L3 cache, 2 Cores/4 Threads)</li> </ul>	<b>Integrated Communications</b>	<ul style="list-style-type: none"> <li>• Optional Integrated Mobile Broadband (Gobi™) with GPS capabilities</li> <li>- 1 SIM slot</li> <li>• WiFi® 802.11 a/b/g/n</li> <li>• 10/100/1000 Ethernet</li> <li>• Integrated Bluetooth® 2.1+EDR Module</li> </ul>
<b>Operating System</b>	<ul style="list-style-type: none"> <li>• Genuine Windows® 7 Professional (32-bit)</li> </ul>	<b>Audio</b>	<ul style="list-style-type: none"> <li>• Motion Speak Anywhere® noise cancellation technology</li> <li>- Multi-directional array microphone design intelligently switches between two of the three microphones based on screen orientation</li> <li>• Two integrated speakers</li> </ul>
<b>Durability</b>	<ul style="list-style-type: none"> <li>• Meets MIL-STD-810G</li> <li>• IP52 rated</li> <li>- Water, dust and splash resistant</li> <li>• Shock-mounted display and hard drive</li> <li>• Durable Gorilla™ glass (non-touch configurations only)</li> <li>• Rubberized coated bottom housing for shock dampening</li> <li>• Magnesium-alloy internal frame</li> </ul>	<b>I/O Ports</b>	<ul style="list-style-type: none"> <li>• Microphone-in</li> <li>• Headphone-out</li> <li>• Two USB 2.0 ports</li> <li>• Keyboard connector</li> <li>• External VGA port</li> <li>• RJ-45 connector (Gigabit LAN)</li> <li>• Docking connector</li> <li>• DC power in</li> </ul>
<b>Chipset</b>	<ul style="list-style-type: none"> <li>• Intel® QM57</li> </ul>	<b>Expansion Card Slots</b>	<ul style="list-style-type: none"> <li>• One Smart Card slot</li> <li>• One Express Card 34 slot</li> </ul>
<b>Displays</b>	<ul style="list-style-type: none"> <li>• 12.1" AFFS+ LED backlight digitizer wide screen (WXGA, 1280x800) display with dual touch</li> <li>• 12.1" AFFS+ LED backlight digitizer wide screen View Anywhere® (WXGA, 1280x800) display with Gorilla® Glass</li> </ul>	<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• 12.7" x 9.09" x 0.90" (323mm x 231mm x 23mm)</li> </ul>
<b>Graphics</b>	<ul style="list-style-type: none"> <li>• Intel® HD Graphics with dynamic frequency</li> <li>• Screen Rotation: 0°, 90°</li> </ul>	<b>Weight</b>	<ul style="list-style-type: none"> <li>• 3.6 lbs. with one battery<sup>1</sup></li> <li>• 4.0 lbs. with two batteries<sup>1</sup></li> </ul>
<b>Video RAM</b>	<ul style="list-style-type: none"> <li>• Maximum 256MB total with Intel Dynamic Video Memory Technology (DVMT)</li> </ul>	<b>Batteries</b>	<ul style="list-style-type: none"> <li>• Lithium-ion battery with 30WHr capacity</li> <li>- One battery capacity: ~3.3 hours<sup>2</sup></li> <li>- Two battery capacity: ~7 hours<sup>2</sup></li> <li>• Maximum 60WHr</li> </ul>
<b>HD Audio Controller</b>	<ul style="list-style-type: none"> <li>• Realtek ALC272 High Definition Codec</li> </ul>	<b>Battery Charging</b>	<ul style="list-style-type: none"> <li>• 1.5 hours for each system battery (Tablet PC on/off)<sup>3</sup></li> </ul>
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• Two DIMM slots; upgradeable to 4GB max total memory (2GB x 2).</li> <li>• DDR3 memory operating at 800MHz</li> </ul>		
<b>System Storage</b>	<ul style="list-style-type: none"> <li>• 1.8" Hard Disk Drive (HDD) with 160GB capacity</li> <li>- 5400 RPM</li> <li>• Optional up to 128GB Solid State Drive (SSD)</li> <li>• SATA 2.0 at 3.0Gb/s</li> </ul>		



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### Security

- Integrated AuthenTec AES2550 Fingerprint Reader
- TCG Trusted Platform Module (TPM) 1.2
- Universal lock slot
- Computrace<sup>®</sup> Complete (optional)

### System Software

- Motion Dashboard control panel
- Motion QuickNav
- Motion/Softex OmniPass<sup>™</sup> Security software
- Infineon Security Platform Tools
- Adobe<sup>®</sup> Acrobat<sup>®</sup> Reader
- Windows Journal
- Sticky Notes
- Pen enabled BIOS setup

### System Status Indicators

- Power on/off/sleep
- Battery status

### Control Buttons

- 5-way directional for navigation
- Three multi-functional programmable
- Camera
- Secure Attention Sequence (SAS)

### Built-in Camera (optional)

- Autofocus
- Up to 3 megapixel image resolution
- JPG photo format with a resolution up to 2048 x 1536 pixels
- Illumination light

### AC Adapter

- 65W universal, 3-pin jack
- 100-240V ~1.5A, 50-60Hz

### Environmental

- Temperature
  - Operation:
    - AC Power: +5°C to +40°C (+41°F to +104°F)
    - Battery Power: +5°C to +45°C (+41°F to +113°F)
  - Storage: -20°C to +60°C (-4°F to 140°)
- Humidity
  - Operating humidity: 8% to 80% without condensation
  - Storage humidity: 8% to 90% without condensation
- Altitude
  - Operation: sea level 0 to 10K ft; sea level to 15K ft. when configured with SSD storage
  - Storage: sea level 0 to 15K ft.

### Warranty

- Standard 1-year field-ready warranty
- Multi-year options available

### Standards

- ACPI 3.0b compliant

### Safety

- AS/NZS 3260:1997
- AS/NZS 60950-1 (1st & 2nd Edition)
- FCC/ANSI C63.41
- UL, CUL, CE (IEC/EN60950-1 A11/2009)
- IEC/EN 60950-1 2nd Edition (2005)
- CAN/CSA RSS-102
- FCC OET65 Supplement C
- ETSI EN 50392
- LVD (73/23/EEC)
- EU Directive 2002/95/EC
- EU Directive 2002/96/EC
- EU Directive 2006/66/EC and its amendments
- California Proposition 65
- Technical Instructions for Safe Transport of Dangerous Goods by Air (ICAO Doc #9284)
- Emergency Response Guidance for Aircraft incidents involving Dangerous Goods (ICAO Doc #9481)

### Regulatory

- AS/NZS 3548:1995 Class B
- AS/NZS 4771
- AS/NZS 4268
- AS/ACIF S042.1 (WCDMA/HSDPA)
- AS/ACIF S042.3 (WCDMA/HSDPA)
- AS/ACIF S042.1 (GSM/EDGE)
- AS/ACIF S042.3 (GSM/EDGE)
- CAN/CSA ICES-003 Class B
- CAN/CSA RSS-210 Issue 7
- CAN/CSA RSS-132 (1xRTT/EVDO0/EVDOA)
- CAN/CSA RSS-133 (1xRTT/EVDO0/EVDOA)
- CENELEC EN 55011 (CISPR11)
- CENELEC EN 55022 Class B (CISPR22)
- CENELEC EN 55024 (CISPR24)
- CENELEC EN 61000-3-2
- CENELEC EN 61000-3-3
- ETSI EN 301-893
- ETSI EN 300-328
- ETSI EN 301-489-1
- ETSI EN 301-489-3
- ETSI EN 301-489-7
- ETSI EN 301-489-17
- ETSI EN 301-489-24
- ETSI EN 300-330
- ETSI EN 301-511
- ETSI EN 301-908
- FCC Part 15 Subpart B Class B
- FCC Part 15 Subpart C (2.4Ghz)
- FCC Part 15 Subpart E (5Ghz)
- FCC Part 22 H (1xRTT/EVDO0/EVDOA)
- FCC Part 24 E (1xRTT/EVDO0/EVDOA)
- R&TTE (89/336/EEC) & R&TTE (99/5/EC)

For more information please visit [www.MotionComputing.com](http://www.MotionComputing.com)

**1-866-682-2538**

<sup>1</sup>Weight represents approximate system weight. Actual system weight may vary depending on component and manufacturing variability.

<sup>2</sup>Battery life varies by configuration, applications in use, utilized features and operating conditions. Maximum battery capacity decreases with time and use. Motion battery life estimates based on MobileMark<sup>®</sup> 2007 performance testing.

<sup>3</sup>Approximate charging time. Validated charging from 0% to 90% with system on or system off.