



Motion® J3500

PRODUCT SPECIFICATIONS



Processor / Cache	<ul style="list-style-type: none"> Intel® Core™ i7-640UM vPro™ Processor 1.2 GHz with Intel® Smart Cache (4MB of L3 cache, 2 Cores/4 Threads) or Intel® Core™ i5-520UM vPro™ Processor 1.06 GHz with Intel® Smart Cache (3MB of L3 cache, 2 Cores/4 Threads) 	Integrated Communications	<ul style="list-style-type: none"> Optional Integrated Mobile Broadband (Gobi™ 2000) Optional GPS capabilities via Gobi™ 2000 <ul style="list-style-type: none"> - 1 SIM slot WiFi® 802.11 a/b/g/n 10/100/1000 Ethernet Integrated Bluetooth® 2.1+EDR Module
Operating System	<ul style="list-style-type: none"> Genuine Windows® 7 Professional (32-bit) Genuine Windows® XP Tablet PC Edition (available through downgrade rights from Windows 7) 	Audio	<ul style="list-style-type: none"> Motion Speak Anywhere® noise cancellation technology <ul style="list-style-type: none"> - Multi-directional array microphone design intelligently switches between two of the three microphones based on screen orientation Two integrated speakers
Durability Features	<ul style="list-style-type: none"> Meets MIL-STD-810G <ul style="list-style-type: none"> - IP52 rated - Water, dust and splash resistant Shock-mounted display and hard drive Durable Gorilla™ glass (non-touch configurations only) Rubberized coated bottom housing for shock dampening Magnesium-alloy internal frame 	I/O Ports	<ul style="list-style-type: none"> Microphone-in Headphone-out Two USB 2.0 ports Keyboard connector External VGA port RJ-45 connector (Gigabit LAN) Docking connector DC power in
System Software	<ul style="list-style-type: none"> Motion Dashboard control panel Motion QuickNav Motion/Softex OmniPass™ Security software Infineon Security Platform Tools Adobe® Acrobat® Reader Windows Journal Sticky Notes Pen enabled BIOS setup 	Expansion Card Slots	<ul style="list-style-type: none"> One Smart Card slot One Express Card 34 slot
Chipset	<ul style="list-style-type: none"> Intel® QM57 	Security	<ul style="list-style-type: none"> Integrated AuthenTec AES2550 Fingerprint Reader TCG Trusted Platform Module (TPM) 1.2 Universal lock slot Computrace® Complete (optional)
Displays	<ul style="list-style-type: none"> 12.1" AFFS+ LED backlight digitizer wide screen (WXGA) display with dual touch 12.1" TN LED backlight digitizer wide screen (WXGA) display with dual touch 12.1" AFFS+ LED backlight digitizer wide screen View Anywhere® (WXGA) display with Gorilla™ glass 	Dimensions	<ul style="list-style-type: none"> 12.7" x 9.09" x 0.90" (323mm x 231mm x 23mm)
Graphics	<ul style="list-style-type: none"> Intel® HD Graphics with dynamic frequency Screen Rotation: 0°, 90° 	Weight	<ul style="list-style-type: none"> 3.6 lbs. with one battery¹ 4.0 lbs. with two batteries¹
Video RAM	<ul style="list-style-type: none"> Maximum 256MB total with Intel Dynamic Video Memory Technology (DVMT) 	Batteries	<ul style="list-style-type: none"> Lithium-ion battery with 30Whr capacity <ul style="list-style-type: none"> - One battery capacity: ~3.3 hours² - Two battery capacity: ~7 hours² Maximum 60Whr
HD Audio Controller	<ul style="list-style-type: none"> Realtek ALC272 High Definition Codec 	Battery Charging	<ul style="list-style-type: none"> 1.5 hours for each system battery (Tablet PC on/off)³
System Memory	<ul style="list-style-type: none"> Two DIMM slots; upgradeable to 4GB max total memory (2GB x 2). DDR3 memory operating at 800MHz 	System Status Indicators	<ul style="list-style-type: none"> Power on/off/sleep Battery status
System Storage	<ul style="list-style-type: none"> 1.8" Hard Disk Drive (HDD) with 160GB capacity SATA 2.0 - 3.0Gb/s 5400 RPM Optional 64GB or 128GB Solid State Drive (SSD) 	Control Buttons	<ul style="list-style-type: none"> 5-way directional for navigation Three multi-functional programmable Camera Secure Attention Sequence (SAS)



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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 and localized websites, please visit www.MotionComputing.com

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

²Battery 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® 2007 performance testing.

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