



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) with GPS capabilities- 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)	Audio	<ul style="list-style-type: none">• Motion Speak Anywhere® noise cancellation technology- 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• 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- 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)

For more information and localized websites, please visit www.MotionComputing.com
1-866-682-2538



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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)

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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.