



# Motion® F5v

## PRODUCT SPECIFICATIONS



<b>Processor/Cache</b>	<ul style="list-style-type: none"> <li>• Intel® Core™ i7 vPro™ Processor 1.2 GHz with Intel® Smart Cache (4MB of L3 cache, 2 Cores/4 Threads) or</li> <li>• Intel® Core™ i5 vPro™ Processor 1.06 GHz with Intel® Smart Cache (3MB of L3 cache, 2 Cores/4 Threads)</li> </ul>	<b>Integrated Communications</b>	<ul style="list-style-type: none"> <li>• WiFi® 802.11 a/b/g/n</li> <li>• Optional Integrated Mobile Broadband (Gobi™ 2000)</li> <li>• Optional GPS capabilities via Gobi™ 2000</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> <li>• Genuine Windows® XP Tablet PC Edition (available through downgrade rights from Windows 7 or Vista)</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 with 2 microphones</li> <li>• Integrated speaker</li> </ul>
<b>Durability</b>	<ul style="list-style-type: none"> <li>• Meets MIL-STD-810G</li> <li>• IP54 rated               <ul style="list-style-type: none"> <li>- Water, dust and splash resistant</li> </ul> </li> <li>• Shock-mounted display and hard drive</li> <li>• Durable Gorilla™ glass</li> <li>• Rubberized for shock dampening</li> <li>• Magnesium-alloy internal frame</li> <li>• Molded handle to prevent drops</li> </ul>	<b>I/O Ports</b>	<ul style="list-style-type: none"> <li>• Docking connector</li> <li>• USB 2.0 port located next to DC power-in port with rubberized cover</li> </ul>
<b>Software</b>	<ul style="list-style-type: none"> <li>• Motion Dashboard control panel</li> <li>• Motion/Softex OmniPass™ Security software</li> <li>• Windows Journal</li> <li>• Sticky Notes</li> <li>• Infineon Security Platform Tools</li> <li>• Pen enabled BIOS setup</li> <li>• Intel Mobile Clinical Assistant</li> <li>• Adobe Reader</li> </ul>	<b>Embedded I/O</b>	<ul style="list-style-type: none"> <li>• Optional 3.0 Megapixel camera (rear-facing)</li> <li>• Optional 1.3 Megapixel front-facing web camera</li> <li>• Optional 1D/2D Barcode Reader</li> <li>• Optional 13.56MHz RFID reader</li> </ul>
<b>Chipset</b>	<ul style="list-style-type: none"> <li>• Intel® QM57</li> </ul>	<b>Security</b>	<ul style="list-style-type: none"> <li>• Integrated Fingerprint Reader with OmniPass software</li> <li>• TCG Trusted Platform Module (TPM) 1.2</li> <li>• Smart card reader (optional)               <ul style="list-style-type: none"> <li>- ISO 7816 PC/SC</li> <li>- EMV2 2000 Level 1</li> </ul> </li> <li>• Computrace® Complete (optional)</li> </ul>
<b>Display</b>	<ul style="list-style-type: none"> <li>• 10.4" XGA TFT AAFS+ LED Backlight (1024 x 768) with durable Gorilla™ glass (standard)</li> <li>• Optional View Anywhere® with durable Gorilla™ glass</li> <li>• Intel Display Power Saving Technology (DPST)</li> </ul>	<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• 256mm x 256mm x 24.3mm (10.0" x 10.0" x .95")</li> </ul>
<b>Graphics</b>	<ul style="list-style-type: none"> <li>• Intel® HD Graphics with dynamic frequency</li> <li>• Rotation: 0°, 90°, 270°</li> </ul>	<b>Weight</b>	<ul style="list-style-type: none"> <li>• 1.50 kg<sup>1</sup> (3.3 lbs.)</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>Battery</b>	<ul style="list-style-type: none"> <li>• Battery life greater than 4 hours<sup>2</sup></li> <li>• Hot swappable Lithium Ion standard battery with 40Whr capacity</li> </ul>
<b>Audio Controller</b>	<ul style="list-style-type: none"> <li>• Intel® High Definition Audio</li> </ul>	<b>Battery Charging Time</b>	<ul style="list-style-type: none"> <li>• Standard Battery - 1.5 hours (Tablet PC on/off)<sup>3</sup></li> </ul>
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• DDR3 800MHz SDRAM memory</li> <li>• Base configuration of 1GB</li> <li>• Upgradeable to maximum 4GB at point of purchase</li> </ul>	<b>System Status</b>	<ul style="list-style-type: none"> <li>• Power on/off/stand by LED ring around power button</li> <li>• Battery status LED on back</li> <li>• Battery charge gauge on front</li> <li>• RFID LED adjacent to RFID read trigger</li> </ul>
<b>System Storage</b>	<ul style="list-style-type: none"> <li>• 1.8" SATA Hard Disk Drive (HDD) with 160GB capacity</li> <li>• Optional SATA Solid State Drive (SSD) with 64GB capacity</li> <li>• SATA 2.0 – 3.0 Gb/s</li> <li>• AHCI</li> </ul>	<b>LEDs</b>	
		<b>AC Adapter</b>	<ul style="list-style-type: none"> <li>• 65W universal, 3-pin jack</li> <li>• 100-240V 1.5a, 50-60Hz</li> </ul>
		<b>Control Buttons</b>	<ul style="list-style-type: none"> <li>• One 5-way directional for navigation</li> <li>• One function, one Dashboard and two programmable</li> <li>• Secure Attention Sequence (SAS)</li> <li>• Camera capture</li> <li>• RFID read trigger</li> <li>• Barcode scan trigger</li> </ul>



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### Built-in Cameras

#### Rear-Facing Camera

- Autofocus
- 3.0 megapixel resolution
- JPG photo format with a resolution up to 2048 x 1536 pixels
- Illuminator light

#### Front-Facing Camera

- Autofocus
- Up to 1280 x 1024 resolution
- Webcam

### Environmental

- Temperature
  - Operation: +5°C to +40°C (41°F to 104°F)
  - 0°C to +40°C (32°F to 104°F) when configured with SSD storage
  - Storage: -20°C to +60°C (-4°F to 140°F)
- 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.
- Enclosure class

### Standards

- ACPI 3.0b compliant

### Safety

- AS/NZS 3260:1997
- AS/NZS 60950-1
- FCC/ANSI C63.41
- UL, CUL, CE (IEC/EN60950-1 A11/2004)
- 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 5
- CAN/CSA RSS-132 (1xRTT/EVDO-0/EVDO-A)
- CAN/CSA RSS-133 (1xRTT/EVDO-0/EVDO-A)
- 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/EVDO-0/EVDO-A)
- FCC Part 24 E (1xRTT/EVDO-0/EVDO-A)
- R&TTE (89/336/EEC) & R&TTE (99/5/EC)

### Warranty

- 3-year field-ready warranty

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

<sup>1</sup> Weight represents approximate system weight measured with a 40Whr battery. Actual system weight may vary.

<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® 2007 performance testing.

<sup>3</sup> Approximate charging time. Validated charging from 5% to 90% with system on or system off.