# Motion F5v

## PRODUCT SPECIFICATIONS

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|---|---|
| **Processor / Cache** | • Intel® Core™ i7 vPro™ Processor 1.46 GHz with Intel® Smart Cache (4MB of L3 cache, 2 Cores/4 Threads) or<br>• Intel® Core™ i5 vPro™ Processor 1.33 GHz with Intel® Smart Cache (3MB of L3 cache, 2 Cores/4 Threads) or<br>• Intel® Core™ i3 Processor 1.33 GHz with Intel® Smart Cache (3MB of L3 cache, 2 Cores/4 Threads) |
| **Operating System** | • Genuine Windows® 7 Professional (32-bit) |
| **Durability** | • Meets MIL-STD-810G<br>• IP54 rated<br>  - Water, dust and splash resistant<br>• Shock-mounted display and hard drive<br>• Durable Gorilla® Glass<br>• Rubberized for shock dampening<br>• Magnesium-alloy internal frame<br>• Molded handle to prevent drops |
| **Chipset** | • Intel® QM57 |
| **Display** | • 10.4" XGA TFT AFFS+ LED Backlight (1024 x 768) with durable Gorilla® glass (standard)<br>• 10.4" XGA TFT AFFS+ LED Backlight (1024 x 768) with durable Gorilla® glass with View Anywhere® (<br>• 10.4" XGA Projective Capacitive Dual-Touch TFT AFFS+ LED Backlight (1024 x 768) with durable Gorilla® glass |
| **Graphics** | • Intel® HD Graphics with dynamic frequency<br>• Rotation: 0°, 90°, 270° |
| **Video RAM** | • Maximum 256MB total with Intel Dynamic Video Memory Technology (DVMT) |
| **Audio Controller** | • Intel® High Definition Audio |
| **System Memory** | • DDR3 800MHz SDRAM memory<br>• Base configuration of 2GB<br>• Upgradeable to maximum 4GB at point of purchase |

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|---|---|
| **System Storage** | • 1.8" SATA Hard Disk Drive (HDD) with 160GB capacity<br>• Optional Solid State Drive (SSD) with various capacities up to 128GB based on configuration<br>• AHCI |
| **Integrated Communications** | • WiFi® 802.11 a/b/g/n<br>• Optional Integrated Mobile Broadband (Gobi™ connectivity) with GPS capabilities<br>• Integrated Bluetooth® 2.1+EDR Module |
| **Audio** | • Motion Speak Anywhere® noise cancellation technology<br>• Multi-directional array microphone design with 2 microphones<br>• Integrated speaker |
| **I/O Ports** | • Docking connector<br>• USB 2.0 port with rubberized cover |
| **Embedded I/O** | • Optional 3.0 Megapixel camera (rear-facing)<br>• Optional 1.3 Megapixel front-facing web camera<br>• Optional 1D/2D Barcode Reader<br>• Optional 13.56MHz RFID reader<br>• Optional 13.56MHz RFID MIFARE Classic with read/write capability (available with Touch display only) |
| **Security** | • Integrated Fingerprint Reader with OmniPass software<br>• TCG Trusted Platform Module (TPM) 1.2<br>• Smart card reader (optional)<br>  - ISO 7816 PC/SC<br>  - EMV2 2000 Level 1<br>• Computrace® Complete (optional) |
| **Dimensions** | • 10.0" x 10.0" x .95" (256mm x 256mm x 24.3mm) |
| **Weight** | • 3.3 lbs.[1] (1.50 kg) |
| **Battery** | • Battery life greater than 4 hours[2]<br>• Hot swappable Lithium Ion standard battery with 40WHr capacity |
| **Battery Charging Time** | • Standard Battery - 1.5 hours (Tablet PC on/off)[3] |

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**Motion**

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|---|---|
| **AC Adapter** | • 65W universal, 3-pin jack |
| | • 100-240V 1.5a, 50-60Hz |

**Software**
- Motion Dashboard control panel
- Motion/Softex OmniPass™ Security software
- Windows Journal
- Sticky Notes
- Infineon Security Platform Tools
- Pen enabled BIOS setup
- Intel Mobile Clinical Assistant
- Adobe Reader

**System Status LED**
- Power on/off/stand by LED ring around power button
- Battery status LED on back
- Battery charge gauge on front
- RFID LED adjacent to RFID read trigger

**Control Buttons**
- One 5-way directional for navigation
- One function, one Dashboard and two programmable
- Secure Attention Sequence (SAS)
- Camera capture
- RFID read trigger
- Barcode scan trigger

**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.

**Warranty**
- Standard 3-year warranty in US and Australia/New Zealand
- Standard 1-year warranty (3-year option) for rest of world

**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/EVD0-0/EVDO-A)
- R&TTE (89/336/EEC) & R&TTE (99/5/EC)

[1] Weight represents approximate system weight measured with a 40WHr battery. Actual system weight may vary depending on component and manufacturing variability.

[2] 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.

[3] Approximate charging time. Validated charging from 5% to 90% with system on or system off.

For more information please visit www.MotionComputing.com
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