



Motion® F5v

PRODUCT SPECIFICATIONS



Processor/Cache	<ul style="list-style-type: none"> • Intel® Core™ i7 vPro™ Processor 1.2 GHz with Intel® Smart Cache (4MB of L3 cache, 2 Cores/4 Threads) or • Intel® Core™ i5 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"> • WiFi® 802.11 a/b/g/n • Integrated Intel® Centrino® AdvancedN 6200 (a/b/g/n) • Optional Integrated Mobile Broadband (Gobi™ 2000) • Optional GPS capabilities via Gobi™ 2000 • 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 or Vista) 	Audio	<ul style="list-style-type: none"> • Motion Speak Anywhere® noise cancellation technology (with Windows XP only) • Multi-directional array microphone design with 2 microphones • Integrated speaker
Durability	<ul style="list-style-type: none"> • Meets MIL-STD-810G • IP54 rated <ul style="list-style-type: none"> - Water, dust and splash resistant • Shock-mounted display and hard drive • Durable Gorilla™ glass • Rubberized for shock dampening • Magnesium-alloy internal frame • Molded handle to prevent drops 	I/O Ports	<ul style="list-style-type: none"> • Docking connector • USB 2.0 port located next to DC power-in port with rubberized cover
Software	<ul style="list-style-type: none"> • 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 	Embedded I/O	<ul style="list-style-type: none"> • Optional 3.0 Megapixel camera (rear-facing) • Optional 1.3 Megapixel front-facing web camera • Optional 1D/2D Barcode Reader • Optional 13.56MHz RFID reader
Chipset	<ul style="list-style-type: none"> • Intel® QM57 	Security	<ul style="list-style-type: none"> • Integrated Fingerprint Reader with OmniPass software • TCG Trusted Platform Module (TPM) 1.2 • Smart card reader (optional) <ul style="list-style-type: none"> - ISO 7816 PC/SC - EMV2 2000 Level 1 • ComputraceComplete (optional)
Display	<ul style="list-style-type: none"> • 10.4" XGA TFT AFFS+ LED Backlight (1024 x 768) with durable Gorilla™ glass (standard) • Optional View Anywhere® with durable Gorilla™ glass • Intel Display Power Saving Technology (DPST) 	Dimensions	<ul style="list-style-type: none"> • 10.0" x 10.0" x .95" (256mm x 256mm x 24.3mm)
Graphics	<ul style="list-style-type: none"> • Intel® HD Graphics with dynamic frequency • Rotation: 0°, 90°, 270° 	Weight	<ul style="list-style-type: none"> • 3.3 lbs.¹ (1.50 kg)
Video RAM	<ul style="list-style-type: none"> • Maximum 256MB total with Intel Dynamic Video Memory Technology (DVMT) 	Battery	<ul style="list-style-type: none"> • Battery life greater than 4 hours² • Hot swappable Lithium Ion standard battery with 40Whr capacity
Audio Controller	<ul style="list-style-type: none"> • Intel® High Definition Audio 	Battery Charging Time	<ul style="list-style-type: none"> • Standard Battery - 1.5 hours (Tablet PC on/off)³
System Memory	<ul style="list-style-type: none"> • DDR3 800MHz SDRAM memory • Base configuration of 1GB • Upgradeable to maximum 4GB at point of purchase 	System Status LEDs	<ul style="list-style-type: none"> • 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
System Storage	<ul style="list-style-type: none"> • 1.8" SATA Hard Disk Drive (HDD) with 160GB capacity • Optional SATA Solid State Drive (SSD) with 64GB capacity • SATA 2.0 – 3.0 Gb/s • AHCI 	AC Adapter	<ul style="list-style-type: none"> • 65W universal, 3-pin jack • 100-240V 1.5a, 50-60Hz
		Control Buttons	<ul style="list-style-type: none"> • 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

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



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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

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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.