



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 • 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 • 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 • Computrace® Complete (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"> • 256mm x 256mm x 24.3mm (10.0" x 10.0" x .95")
Graphics	<ul style="list-style-type: none"> • Intel® HD Graphics with dynamic frequency • Rotation: 0°, 90°, 270° 	Weight	<ul style="list-style-type: none"> • 1.50 kg ¹ (3.3 lbs.)
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	<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 or 128GB capacity • SATA 2.0 – 3.0 Gb/s • AHCI 	LEDs	
		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



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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

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

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.