



MIL-STD  
810G

IP54

# MOTION® R12 RUGGED TABLET PC

## PRODUCT SPECIFICATIONS

<b>PROCESSOR / CACHE</b>	<ul style="list-style-type: none"> <li>Intel® Core™ i7 vPro™ processor - 4610Y - 1.7 GHz to 2.9 GHz, 4M Cache, 2 cores (4 threads).</li> <li>Intel® Core™ i5 processor - 4210Y - 1.5 GHz to 1.9 GHz, 3M Cache, 2 cores (4 threads).</li> </ul>	<b>AUDIO</b>	<ul style="list-style-type: none"> <li>RealTek noise cancellation</li> <li>Multi-directional array microphone - 3 microphones (2 front facing array mic's and 1 rear facing mic)</li> <li>2 Integrated speakers</li> </ul>
<b>OPERATING SYSTEM</b>	<ul style="list-style-type: none"> <li>Windows® 10 Pro 64-bit</li> <li>Windows® 8.1 Pro 64-bit*</li> <li>Windows® 7 Professional 64-bit*</li> </ul>	<b>I/O PORTS</b>	<ul style="list-style-type: none"> <li>Docking connector</li> <li>USB 3.0 port</li> <li>Optional Serial Port via SlateMate® Module</li> <li>3.5mm Audio I/O jack</li> <li>HDMI port</li> <li>SD Card Slot</li> <li>Micro-SIM Card Slot</li> </ul>
<b>DURABILITY</b>	<ul style="list-style-type: none"> <li>MIL-STD-810G</li> <li>IP54 (Water, dust and splash resistant)</li> <li>Corning® Gorilla® Glass 3</li> <li>Magnesium-alloy internal frame</li> <li>Rubberized enclosure</li> </ul>	<b>EMBEDDED I/O</b>	<ul style="list-style-type: none"> <li>8.0 Megapixel camera (rear-facing)</li> <li>2.0 Megapixel camera (front-facing)</li> <li>Optional 1D/2D Barcode Reader via SlateMate®</li> <li>Optional 13.56 HF RFID with read/write capability via SlateMate®</li> <li>9 Axis MEMS sensor (Accelerometer, eCompass, Gyroscope) with Ambient Light Sensor</li> </ul>
<b>CHIPSET</b>	<ul style="list-style-type: none"> <li>Intel QM87</li> </ul>	<b>SECURITY</b>	<ul style="list-style-type: none"> <li>Integrated Fingerprint Reader</li> <li>TCG Trusted Platform Module (TPM) 1.2</li> <li>Absolute® Computrace Complete (optional)</li> <li>WinMagic® SecureDoc™ (single-user license)</li> </ul>
<b>DISPLAY</b>	<ul style="list-style-type: none"> <li>12.5" Wide Viewing Angle Display</li> <li>Full-HD Resolution (1920 x 1080)</li> <li>Anti-Smudge + Anti-Reflective View Anywhere Display</li> <li>Capacitive 10-Point Touch</li> <li>Wacom Digital Pen Input</li> <li>Intel Display Power Saving Technology (DPST)</li> </ul>	<b>DIMENSIONS</b>	<ul style="list-style-type: none"> <li>12.9" x 8.1" x .65" (328 mm x 205.74 mm x 17 mm)</li> </ul>
<b>GRAPHICS</b>	<ul style="list-style-type: none"> <li>Intel® HD Graphics 4200</li> </ul>	<b>WEIGHT</b>	<ul style="list-style-type: none"> <li>2.95 lbs. (1.34 kg),<sup>2</sup></li> </ul>
<b>AUDIO CONTROLLER</b>	<ul style="list-style-type: none"> <li>Intel® High Definition Audio</li> <li>Realtek® HD Codec</li> </ul>	<b>BATTERY</b>	<ul style="list-style-type: none"> <li>Battery life over 9 hours<sup>3</sup></li> <li>Hot swappable Lithium Ion Standard battery with 43Whr capacity</li> </ul>
<b>SYSTEM MEMORY</b>	<ul style="list-style-type: none"> <li>4 GB or 8 GB DDR3L 1600 MHz SDRAM memory</li> </ul>	<b>BATTERY CHARGE TIME</b>	<ul style="list-style-type: none"> <li>2.5 hours (Tablet PC on/off)<sup>4</sup></li> </ul>
<b>SYSTEM STORAGE</b>	<ul style="list-style-type: none"> <li>64 GB SSD</li> <li>128 GB SSD</li> <li>256 GB SSD</li> </ul>	<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>INTEGRATED COMMUNICATIONS</b>	<ul style="list-style-type: none"> <li>Intel® Dual Band Wireless-AC 7260 Wi-Fi plus Bluetooth® 4.0</li> <li>Optional Internal Wireless (1 expansion slot)                             <ul style="list-style-type: none"> <li>- 4G LTE Mobile Broadband with GNSS (GPS + GLONASS)                                     <ul style="list-style-type: none"> <li>- Sierra Wireless EM7355 (North America)</li> <li>- Sierra Wireless EM7305 (Rest of World)</li> </ul> </li> </ul> </li> <li>or                             <ul style="list-style-type: none"> <li>- GPS Module with SBAS (WAAS, EGNOS and MSAS)                                     <ul style="list-style-type: none"> <li>- Navisys Technology GE-730 (u-blox 7)</li> </ul> </li> </ul> </li> </ul>	<b>WARRANTY</b>	<ul style="list-style-type: none"> <li>3 year standard coverage included</li> <li>Additional warranty options available</li> </ul>
		<b>STANDARDS</b>	<ul style="list-style-type: none"> <li>ACPI 5.0 compliant</li> <li>UEFI BIOS</li> </ul>

## SOFTWARE

- SnapWorks™ by Motion® Camera App
- RFID Sample Reader
- Barcode Reader
- Motion/Softex OmniPass Security Software (Windows 7)
- Motion Dashboard (Windows 7)
- Know Your Motion Tablet (Windows 8.1)
- Pen and Touch Enabled BIOS Setup
- Infineon Security Platform Tools
- Motion Tablet Center (Windows 8.1)
- Microsoft Office - Trial Version (Windows 8.1)

## ENVIRONMENTAL

- MIL-STD-810G Certified  
(4' Drop, Altitude, -51°C to 71°C Storage Temperature, -10°C to 55°C Operating Temperature, Temperature Shock, Rain, Humidity, Sand and Dust, Vibration, Shock)

## REGULATORY

### - PRODUCT SAFETY

- UL/CSA 60950-1, 2nd Ed.
- IEC/EN 60950-1:2006+A12:2011
- AS/NZS 60950-1, 2nd ED.
- LVD Directive 2006/95/EC
- NOM 019

### - SAR

- FCC OET 65 Supplement C
- CAN/CSA RSS-102
- ESTA EN50392

### - ENVIRONMENTAL

- California Proposition 65
- CeC Battery Charging Systems
- RoHS 2 Directive 2011/65/EU
- WEEE Directive 2002/96/EC
- Battery Waste Directive 2006/66/EC
- EN50564:2011 (Energy Consumption)
- NMX -1-122-NYCE-2006 (Mexico Energy Consumption)

## - EMC

- FCC Part 15 B, Class B
- FCC Part 15 C (2.4 GHz)
- FCC Part 15 E (5 GHz)
- FCC Part 22 H (1xRTT/EVD00/EVDOA)
- FCC Part 24 E (1xRTT/EVD00/EVDOA)
- FCC Part 27 (Wireless Communication Service)
- CAN/CSA ICES -003, Class B
- CAN/CSA RSS-210 Issue 7
- CAN/CSA RSS-132 (1xRTT/EVD00/EVDOA)
- CAN/CSA RSS-133(1xRTT/EVD00/EVDOA)
- EN55022 (CISPR 22), Class B
- EN55024 (CISPR 24)
- EN61000-3-2
- EN61000-3-3
- EN 60601-1-2 (Emissions MED)
- EN 61326 (Immunity MED)
- ESTI EN 301-893
- ESTI EN 300-328
- ESTI EN 301-489-1
- ESTI EN 301-489-3
- ESTI EN 301-489-7
- ESTI EN 301-489-17
- ESTI EN 301-489-24
- ESTI EN 300-330
- ESTI EN 301-511
- ESTI EN 301-908
- AS/NZS 3548, 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)
- R&TTE Directive 1999/5/EC
- NOM 121

## - OTHER

- Technical Instructions for Safe Transport of Dangerous Substances
- ICAO Doc# 9284
- Emergency Response Guidance for Aircraft incidents involving Dangerous Goods ICAO Doc#9481

1 Available through downgrade rights from Windows® 10

2 Weight represents approximate system weight measured with a 40Whr battery. Actual system weight may vary depending on component and manufacturing variability.

3 Motion battery life estimates based on MobileMark 2007 performance testing on Intel Core i5 processors. Battery performance will vary by system configuration. Battery life and recharge estimates will vary based on system settings, applications, optional features, environmental conditions, battery conditioning and user preferences.

4 Approximate charging time. Validated charging from 5% to 90% with system on or system off.

The Intel® Core™ vPro™ processor is designed to strengthen security across the enterprise.

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