



MIL-STD
810G

IP54

CID2†
Certified

MOTION® BY XPLORE™

F5m RUGGED TABLET PC

PRODUCT SPECIFICATIONS

PROCESSOR / CACHE

- Intel® Core™ i7 vPro™ Processor
2.6 GHz 5600U with Turbo Boost to 3.2 GHz
(4MB of L3 cache, 2 Cores/4 Threads)
or
- Intel® Core™ i5 Processor
2.2 GHz 5200U with Turbo Boost to 2.7 GHz
(3MB of L3 cache, 2 Cores/4 Threads)
or
- Intel® Core™ i3 Processor
2.0 GHz 5005U
(3MB of L3 cache, 2 Cores/4 Threads)

OPERATING SYSTEM

- Windows® 10 Pro 64-bit
 - Windows® 8.1 Pro 64-bit*
 - Windows® 7 Professional 64-bit*
- *available thru Windows 10 downgrade

DURABILITY

- Meets MIL-STD-810G
- IP54 rated
- Water, dust and splash resistant
- Class I Division 2 certified (optional configuration)†
- Durable Gorilla® Glass
- Rubberized for shock dampening
- Magnesium-alloy internal frame
- Molded handle helps prevent drops

DISPLAY

- 10.4" XGA (1024 x 768) View Anywhere® Display with Projective Capacitive 10-point Touch TFT AFFS+ LED Backlight with Durable Gorilla® Glass
or
- 10.4" XGA (1024 x 768) Standard Display with Projective Capacitive 10-point Touch TFT AFFS+ LED Backlight with Durable Gorilla® Glass
- Intel Display Power Saving Technology (DPST)

GRAPHICS

- Intel® HD Graphics 5500 GT2
- Rotation: 0°, 90°, 270°

AUDIO CONTROLLER

- High Definition Audio

SYSTEM MEMORY

- DDR3L 1600MHz SDRAM memory
- Base configuration of 4GB
- Optional configuration of 8GB or 16GB

SYSTEM STORAGE

- m.2 Solid State Drive (SSD) with capacities of 64GB, 128GB or 256GB
- m.2 Self-encrypting drives (SED) with capacity of 256 GB (optional)*
- AHCI

INTEGRATED COMMUNICATIONS

- Intel® Dual Band Wireless-AC 7265 Wi-Fi and Bluetooth® 4.0
- Optional Integrated Mobile Broadband
 - Qualcomm® Gobi™ technology 4G LTE** Mobile Broadband with either
 - o GNSS (GPS + GLONASS)
 - o Optional U-Blox 7 GPS

AUDIO

- Noise cancellation technology
- Multi-directional array microphone design with 2 microphones
- Integrated speaker

I/O PORTS

- Docking connector
- USB 3.0 port with rubberized cover

EMBEDDED I/O

- 8.0 Megapixel camera (rear-facing)
- 2.0 Megapixel front-facing web camera
- Optional 1D/2D Barcode Reader

SECURITY

- Integrated Fingerprint Reader with OmniPass software
- TCG Trusted Platform Module (TPM) 1.2
- Smart card reader (optional)
 - ISO 7816 PC/SC
 - EMV2 2000 Level 1
- 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 over 8 hours²
- Hot swappable Lithium Ion standard battery with 40Whr capacity

BATTERY CHARGING TIME

- Standard Battery - 1.5 hours (Tablet PC on/off)³



Forest it Design

Forest it Design is a leading provider of rugged mobile computers, all-in-One PC, measurement instruments, and GPS/GNSS solutions. The company has offices in Värnamo, Gothenburg, London, Munich and Frankfurt.

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AC ADAPTER

- 65W universal, 3-pin jack
- 100-240V 1.5A, 50-60Hz

SOFTWARE

- Windows® 7 Software
- SnapWorks® by Motion Camera App
 - Barcode Reader
 - Motion/Softex OmniPass™ Security Software
 - Motion Dashboard Control Panel
 - Mobile Broadband Connection Manager
 - Pen and Touch Enabled BIOS Setup
 - Infineon Security Platform Tools (Optional)

- Windows® 8 Software / Windows® 10 Software
- SnapWorks® by Motion
 - Barcode Reader
 - Motion/Softex OmniPass™ Security Software
 - Motion Tablet Center
 - Know Your Motion Tablet
 - Pen and Touch Enabled BIOS Setup
 - Infineon Security Platform Tools (Optional)

SYSTEM STATUS LED

- Power on/off/stand by LED ring around power button
- Battery status LED on back
- Battery charge gauge on front

CONTROL BUTTONS

- One 5-way directional for navigation
- One function, one Dashboard and two programmable
- Secure Attention Sequence (SAS)
- Volume controls
- Windows Home button
- Barcode scan trigger (programmed)

BUILT-IN CAMERAS

Rear-Facing Camera

- Autofocus
- 8.0 megapixel resolution
- Illuminator light

Front-Facing Camera

- Autofocus
- 2.0 megapixel resolution

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]
- Class I Division 2 certified, Groups ABCD (optional configuration)
- EU Directive RoHS 2 (2011/05/EU)
- EU Directive ErP (2009/125/EC)
- EU Directive WEEE (2012/19/EC)

WARRANTY

- 3-year standard warranty

STANDARDS

- ACPI 3.0b compliant

SAFETY

- AS/NZS 60950-1
- Class I Division 2 certified (optional configuration)
- FCC/ANSI C63.41
- IC RSS 102
- ETSI EN 62311
- UL, CUL, CE (IEC/EN60950-1 A11/2004)
- EU Directive LVD (2006/95/EC)
- EU Directive Batteries (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 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-310 Issue 2
- CAN/CSA RSS-132 (1xRTT/EVDO-0/EVDO-A)
- CAN/CSA RSS-133 (1xRTT/EVDO-0/EVDO-A)
- CENELEC EN 60601-1-2
- 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 300-440
- ETSI EN 301-489-1
- ETSI EN 301-489-7
- ETSI EN 301-489-17
- ETSI EN 301-489-24
- ETSI EN 301-511
- ETSI EN 301-908
- FCC Part 15 Subpart B Class B
- FCC Part 15 Subpart C (2.4 GHz)
- FCC Part 15 Subpart E (5 GHz)
- FCC Part 22 H (1xRTT/EVDO-0/EVDO-A)
- FCC Part 24 E (1xRTT/EVDO-0/EVDO-A)
- FCC Part 27 (WCS)
- R&TTE (89/336/EEC) & R&TTE (99/5/EC)

* Ask your representative for more information

** Compatible with Verizon 4G LTE networks where available. Standard 4G LTE and AWS spectrums supported.

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. Xplore battery life estimates based on MobileMark® 2012 performance testing.

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

† CID2 certification is available as an optional configuration.



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