

Motion Computing R12 Rugged Tablet Computer

The Motion R12 is a sleek and lightweight rugged tablet with innovative accessories that are made for incomparable efficiency and unbeatable productivity in public safety, construction, and field service. Equipped with up to the Intel® Core™ i7 vPro™ processor and optimized for mobility, the 12.5" R12 is also ideal for a desktop replacement.

The Motion R12 weighs just under 3 pounds and is MIL-STD-810G and IP54 certified, making it rugged enough to withstand 4-foot drops, bumps, dust, spills, and temperature extremes. The R12's display features Motion's View Anywhere® technology for advanced outdoor visibility, and break-resistant Gorilla™ Glass to make the device suitable for rugged environments.



The Motion R12 has Intel™ Dual Band Wireless-AC 7260 Wi-Fi and Bluetooth® 4.0, integrated fingerprint reader, rear-facing and front-facing cameras, and dual hot-swappable batteries. Integrated options for the R12 include GPS, 4G LTE mobile broadband, and enhanced memory and system storage options.

Motion R12 SlateMate

The Motion R12 SlateMate is a 3-in-1 factory installed personality module consisting of a barcode scanner, high frequency RFID, and serial port. This add-on module expands the productive power of the R12 while maintaining the same level of ruggedness and portability. The lightweight data acquisition module eliminates the need for multiple data collection devices and increases the accuracy of field data collection. The R12-Series SlateMate integrates with the R12-Series accessory family. It is designed to work with the R12-Series Work Anywhere Kit carrying case, the docking station and the Mobile Secure Dock, when attached. The SlateMate comes with either a 3-in-1 module (BCS, HF RFID Reader and Serial Port) or a 2-in-1 module (HF RFID Reader and Serial Port) configuration.

NOTE: The SlateMate Module can only be installed at factory and cannot be purchased after point of sale.

Features

- Designed and engineered with mobile workflows in mind
- Ready to plug in to your enterprise environment
- 12.5" full high definition display
- Dual hot-swappable battery feature extends the computing day and enables easy replacement of charged batteries without interruption
- Companion keyboard, work anywhere kit, and mobile vehicle dock accessories are available for even greater productivity

Group Mobile

5590 W. Chandler Blvd. Suite 3
Chandler, AZ 85226
Toll Free: 1-866-RUGGED8
Fax: 480-247-2750
www.groupmobile.com

Product Specifications

Operating System:

- Windows® 7 Professional (64-bit)
- Optional Windows® 8.1 Professional (64-bit)

Processor:

- Intel® Core™ i5 - 4210Y - 1.5GHz to 1.9GHz, 3M Cache, 2 cores (4 threads)
- Optional Intel® Core™ i7 - 4610Y - 1.7GHz to 2.9GHz, 4M Cache, 2 cores (4 threads)

Storage:

- 64GB Solid State Drive
- Optional 128GB and 256GB Solid State Drives

Memory:

- 4GB
- Optional 8GB DDR3L 1600MHz SDRAM memory

Display:

- 12.5" Wide Viewing Angle Display
- Full-HD Resolution (1920 x 1080)
- Anti-Smudge + Anti-Reflective View Anywhere Display
- Capacitive 10-Point Touch
- Wacom Digital Pen Input
- Intel Display Power Saving Technology (DPST)

Communications:

- Intel® Dual Band Wireless-AC 7260 Wi-Fi plus Bluetooth® 4.0
- Optional Internal Wireless (1 expansion slot - choose 4G LTE or GPS Module)
- 4G LTE Mobile Broadband with GNSS (GPS + GLONASS)
 - Sierra Wireless EM7355 (North America)
 - Sierra Wireless EM7305 (Rest of World)
- GPS Module with SBAS (WAAS, EGNOS and MSAS)
 - Navisys Technology GE-730 (u-blox 7)

I/O Ports:

- Docking connector
- USB 3.0 port
- Optional Serial Port via SlateMate® Module
- 3mm Audio I/O jack
- HDMI port
- SD Card Slot

Embedded I/O:

- 8.0 Megapixel camera (rear-facing)
- 2.0 Megapixel camera (front-facing)
- Optional 1D/2D Barcode Reader via SlateMate®
- Optional 13.56 HF RFID with read/write capability via SlateMate®
- 9 Axis MEMS sensor (Accelerometer, eCompass, Gyroscope) with Ambient Light Sensor

Audio:

- Intel® High Definition Audio
- RealTek noise cancellation
- Multi-directional array microphone
—M3 microphones (2 front facing array mics and 1 rear facing mic)
- Two integrated speakers

Graphics:

- Intel HD Graphics 4200

Battery:

- Battery life over 9 hours
- Hot swappable Lithium Ion Standard battery with 43WHr capacity
- Battery charging time 2.5 hours (Tablet PC on/off)

Power:

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

Dimensions & Weight:

- 12.9" x 8.1" x .65" (328mm x 205.74mm x 17mm)
- 2.95lbs.

Durability:

- MIL-STD-810G Certified (4' Drop, Altitude, Low/High Storage Temperature, Low/High Operating Temperature, Temperature Shock, Rain, Humidity, Sand and Dust, Vibration, Shock)
- IP54 rated (Water-, dust- and splash-resistant)
- Durable Gorilla® Glass 3
- Rubberized coated bottom housing for shock dampening
- Magnesium-alloy internal frame

System 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)

Security:

- Integrated Fingerprint Reader
- TCG Trusted Platform Module (TPM) 1.2
- Absolute® Computrace Complete (optional)
- WinMagic® SecureDoc™ (single-user license)

Safety:

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

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)

Standards:

- ACPI 5.0 compliant
- UEFI BIOS

Warranty:

- Standard 3-year warranty
- Additional warranty options available

Consider purchasing these additional items to make your new portable computer more efficient, convenient, and a complete mobile solution. Pricing and information specific to your make and model can be found on our website, or you can discuss your options with your sales professional for expert guidance and suggestions. Not all of these additional items are available for all types or brands of portable computer.



Additional RAM Memory: Adding additional RAM memory is often the easiest and least expensive way to upgrade your computer for a significant boost in performance. The computer's RAM memory is its workspace, or where all of the instructions it needs to act on are stored temporarily.



Additional Storage: A computer's hard drive stores your operating system, programs and files. Hard drive space is measured in gigabytes (GB) and the higher the GB level the greater the collective file size of everything you can save on the computer. Some computer models offer spare, removable hard drives, while others offer an external hard drive.



External Drives: Some computer models come with a DVD/CD Multi drive, meaning you can read and write CD's and DVD's. Other computer models require an external USB drive. Also, some manufacturers offer an external floppy disk drive.



Power Options: Having additional power options available will keep you from running out of power at just the wrong time, there are several options available:

Additional AC Adapter – A convenient extra AC Adapter with Power Cord allows you to keep one at home and one at the office, no need to carry it back and forth.



Automobile Adapter – The automobile power adapter, also known as a cigarette lighter adapter, allows you to power your portable computer while in your vehicle, as well as charge your battery. Some of these adapters can also be used on an airplane.

External Battery Charger – The external battery charger allows you to keep your battery charged, it does not come with an AC Adapter – you can use the one that comes with the computer or purchase an additional one.



Spare Batteries - Purchase additional or replacement batteries to ensure you will always have one available. Some computers also have a place for a secondary battery, such as in the media bay. Check with your sales professional if you would like more information on these options for your model.



Mobile Printers and Scanners - A mobile printer or scanner increases your efficiency, no more running back to the office to print documents or receipts or to scan information to your computer. Our lineup of mobile printers are ready to go anywhere, they are small, lightweight, and available in different output sizes. Whether you need a full size page or just a receipt, we have the mobile printer or scanner for you.

Security Options – Keeping your investment secure is a priority, and there are several options available. Depending on the computer & model these include fingerprint scanner, smartcard reader, cable lock slot etc.



ComputraceComplete – (LoJack for your portable computer) – Computrace works behind the scenes to silently and securely contact the Absolute Monitoring Center. Using any type of internet connection, the computer makes contact every 24 hours to report its location. If a computer is reported missing or stolen, the machine is flagged to call in every 15 minutes and then the Absolute Recovery Team goes to work. The team provides law enforcement with tracking information to pinpoint the physical location of the computer and documentation needed to obtain subpoenas and procure search warrants. However, not every computer manufacturer offers computrace.



Targus DEFCON Notebook Computer Locks – The Targus DEFCON Notebook Computer Lock comes in either a cable or key lock. The lock is a 6 ft. steel cable that is cut resistant galvanized steel and can be wrapped around any secure object and attached to your cable lock slot that is built into most notebook computers. Any attempt to remove the lock will visibly damage the computer, preventing resale therefore discouraging theft. Don't let your computer be one of the nearly 1,000 portable computers stolen every day.



Other Accessories – There are many accessory items available to make using your computer more convenient and efficient, as well as user friendly. Some of these items include: carry cases designed for your model, port replicators making it easy

to create a “desktop” environment or adding additional ports to your computer, extra stylus pens so a misplaced or forgotten pen won’t slow you down, and protector films to ensure your display screen stays clear and clean.



Vehicle Docks and Mounts - Vehicle mounts hold your computer safely in place and allow for safe and comfortable use while in a vehicle. With custom fit bases, height adjustable poles, and docking station and you can run antennas, use the vehicle battery or add other peripherals for a complete mobile solution.

Warranty Extensions & Upgrades – Some warranty options and upgrades are only available at time of product purchase, but there are some manufacturers that will allow upgrades or extensions to be purchased at a later time.

Product Shots



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Chandler, AZ 85226
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