

## Toughpad 4K Business-Rugged Tablet

The Panasonic Toughpad™ 4K is the highest resolution display ever sold commercially with nearly 10 million pixels — all in a portable, lightweight 20-inch tablet! The Toughpad 4K offers a brilliant 3840×2560 pixel display that goes beyond Ultra HD resolution. With an IPS Alpha LCD screen featuring 230 pixels per inch, a 15:10 aspect ratio and wide viewing angles, the Toughpad 4K UT-MB5 provides a lifelike viewing experience unlike any tablet on the market.



The business-rugged Toughpad 4K provides performance, security, expandability, and flexibility to increase end-user productivity and data protection. It is powered by an Intel® Core™ i5 vPro™ processor, NVIDIA® discrete graphics, Windows® 8.1 Pro, 8GB of RAM, and a 256GB solid state drive. It also has a 720p front-facing camera for image and video capture.

Connectivity features include Intel Centrino Advanced-N 6235 Wi-Fi 802.11 a/b/g/n, Bluetooth v4.0 (Class 1), USB 3.0, SDXC card slot, SmartCard reader, and docking connector. For a collaborative working experience, the Toughpad 4K offers a 10-point multi-touch display and an optional unique natural handwriting pen option, providing pixel-level precision and a distinctly pen-and-paper-like feel for freehand sketching, annotation, or handwriting.

The Toughpad 4K tablet has a magnesium alloy frame and glass fiber reinforced case and can handle up to a 30" drop. With this kind of power and visual clarity, it's a whole new way to operate.

### Features

- The world's first 4K tablet
- An amazing 230ppi resolution (3840 x 2560)
- Accurate and lifelike with 16.8 million colors
- A 20" tablet that weighs only 5.3 lbs. and is 0.5" thin
- Intel Core i5 vPro and dedicated NVIDIA graphics
- Pen option for easy drawing and markup with high precision

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## Product Specifications

### Operating System:

- Windows® 8.1 Pro 64-bit

### Processor:

- Intel® Core™ i5-3437U vPro™ Processor
  - 1.9GHz with Turbo Boost up to 2.9GHz
  - Intel Smart Cache 3MB

### Storage\*:

- 8GB SDRAM (DDR3 1333MHz)
- 256GB solid state drive

### Memory:

- 4GB RAM
- Expandable to 8GB at time of purchase only\*

### Display:

- 20" 4K+ LCD 3840 x 2560 with LED backlighting
  - 10-point capacitive multi touchIPS alpha display
  - Ambient light, magnetic, gyro and acceleration sensors
  - Automatic screen rotation
  - Optional electronic touch pen
  - 15:10 aspect ratio
- NVidia® GeForce® GT 745M GPU, 2GB dedicated VRAM
- Internal LCD
  - 16,777,216 colors (3840 x 2560 dots)
- External Display
  - 16,777,216 colors (1920 x 1200 dots max.)

### Wireless:

- Intel Centrino Advanced-N 6235 Wi-Fi 802.11a/b/g/n
- Bluetooth v4.0 (Class 1)

### Cameras:

- 720p webcam with mic

#### Interface:

- USB 3.0 x 1
- SD Card (SDXC) x 1
- Headphones/speaker
- 24-pin docking connector

#### Keyboard & Input:

- 10-point multi touch + digitizer screen
  - Supports bare hand touch and gestures and electronic stylus pen
- Optional electronic touch pen
- 1 tablet button
- On-screen QWERTY keyboard

#### Audio:

- Integrated microphone
- Intel® high-definition audio compliant
- Integrated speaker
- On screen button volume and mute controls

#### Power Supply:

- Li-Ion battery pack (11.1V, typical 3180mAh, minimum 3060mAh)
- Battery operation: Approx.2 hours
- Battery charging time: 2 hours off, 2 hours on
- AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching worldwide power supply
- Battery status LED indicator

#### Power Management:

- Suspend/Resume Function, Hibernation, Standby

#### Dimensions & Weight:

- 18.7" (L) x 13.1" (W) x 0.49" (D)
- 5.27lbs.

#### Durability Features:

- 2.5' drop rating (back side when operating; 1" from remaining sides)
- 1' drop rating (26 angles when not operating)
- Magnesium alloy frame
- Glass fiber reinforced rear case

### Security:

- Password Security: Supervisor, User, Hard Disk Lock
- Pop-out lock loop
- Trusted platform module (TPM) security chip v.1.2
- Computrace theft protection agent in BIOS4 (Requires software and activation to enable theft protection.)
- Intel Anti-Theft Technology
- Integrated SmartCard reader

### Warranty:

- 3 year limited warranty, parts and labor

*\* 1GB = 1,000,000,000 bytes. Total usable memory will be less depending upon actual system configuration.*

*\*\* Approximate time. Battery performance features such as charge time and life span can vary according to the conditions under which the computer and battery are used. Battery operation and recharge times will vary based on many factors, including screen brightness, applications, features, power management, battery conditioning and other customer preferences. Battery testing results from MobileMark 2007.*

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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