

# Toughbook 19 – Product Refresh Summary



	<b>Toughbook 19F (Mk2)</b>	<b>Toughbook 19K (Mk3)</b>
<b>Processor</b>	Intel® Core™ 2 Duo U7500 1.06 GHz (Centrino®)	Intel® Core™ 2 Duo SU9300 1.2 GHz (Centrino® 2 with vPro™)
<b>L2 Cache</b>	2 MB	3 MB
<b>FSB</b>	533 MHz	800 MHz
<b>Memory (RAM)</b>	1-4 GB DDR2 RAM (533 MHz)	2-4 GB DDR2 RAM (667 MHz)
<b>Video Adapter</b>	Intel® GM965 (GMA X3100)	Intel® GS45 (GMA 4500MHD)
<b>Display</b>	10.4" XGA	10.4" XGA
<b>LED Backlit</b>	No	Yes
<b>LCD Brightness</b>	500-550 nit	1,000 nit
<b>Screen Treatments</b>	Anti-glare, Anti-reflective Circular Polarizing Filter	Anti-glare, Anti-reflective Circular Polarizing Filter
<b>Concealed Mode</b>	No	Yes
<b>Audio</b>	Yes	Yes
<b>Modem (56K)</b>	Yes	Yes
<b>Ethernet</b>	10/100/1,000	10/100/1,000
<b>Wi-Fi</b>	802.11 a/b/g	802.11 a/b/g/draft-n
<b>Wi-Fi Processor</b>	Intel® Wireless WiFi Link 4965AG	Intel® Wireless WiFi Link 5100
<b>Mobile Broadband Support</b>	Gobi™ (HSPA, EV-DO Rev. A)	Gobi™ (HSPA, EV-DO Rev. A)
<b>Bluetooth® (2.0+EDR)</b>	Yes	Yes
<b>Standard Hard Drive</b>	80 GB (shock-mounted and quick-release)	160 GB SATA (shock-mounted and quick-release)
<b>Optional SSD</b>	No	Yes (32 GB)
<b>Optical Drive</b>	No	No
<b>SD Card Slot (SDHC)</b>	Yes	Yes
<b>PC Card Slot (Type II)</b>	Yes	Yes
<b>ExpressCard (/54)</b>	Yes	Yes
<b>Serial Port</b>	Yes	Yes
<b>USB Ports (2.0)</b>	Yes (2)	Yes (2)
<b>FireWire Port</b>	Yes	Yes
<b>Screen Input</b>	Digitizer, Touchscreen	Touchscreen, Dual Touch (digitizer plus touchscreen)
<b>Dimensions</b>	1.9"(H) x 10.7"(W) x 8.5"(D)	1.9"(H) x 10.7"(W) x 8.5"(D)
<b>Weight</b>	5.1 lbs	5.1 lbs
<b>Battery Life<sup>1</sup></b>	7 Hours	9-10 Hours
<b>Battery Type</b>	Lithium Ion	Lithium Ion
<b>Operating Systems</b>	Windows Vista® Business (with XP downgrade option)	Windows Vista® Business (with XP downgrade option)
<b>Security</b>	Kensington Cable Lock Slot Password Security TPM 1.2 Computrace Theft Protection Agent Optional Fingerprint Reader Optional SmartCard Reader	Kensington Cable Lock Slot Password Security TPM 1.2 Computrace Theft Protection Agent Optional Fingerprint Reader Optional SmartCard Reader
<b>Full Magnesium Alloy Case</b>	Yes	Yes
<b>Shock-mounted Hard Drive</b>	Yes	Yes
<b>Drop-resistant</b>	3 feet (MIL-STD-810F)	3 feet (MIL-STD-810F)
<b>Sealed All-weather Design</b>	Yes (IP54)	Yes (IP54)
<b>LCD Heater</b>	No	No
<b>HD Heater</b>	Yes	Yes
<b>Hand Strap</b>	Yes	Yes
<b>Integrated Options</b>	3G Mobile Broadband (WWAN), GPS, Fingerprint Reader, SmartCard Reader, Backlit Keyboard, UL1604 Class I Division 2 Model, 2MP Camera with 5' LED Light, HDD and Battery Lock	Gobi™ 3G Global Mobile Internet (WWAN), <b>32 GB SSD</b> , GPS, Fingerprint Reader, SmartCard Reader, Backlit Keyboard, UL1604 Class I Division 2 Model, 2MP Camera with 10' LED Light, HDD and Battery Lock

<sup>1</sup>Battery life subject to change pending final testing  
Shaded rows indicate change