



# PANASONIC TOUGHBOOK F8 VS. F9—PRODUCT COMPARISON



PRODUCT FEATURE	TOUGHBOOK F8	TOUGHBOOK F9
Processor	Intel® Core™ 2 Duo SP9300 2.26GHz (Centrino® 2 with Intel® vPro™ Technology)	Intel® Core™ i5-520M with vPro™ 2.40GHz (Turbo Boost to 2.93GHz)
Operating System	Genuine Windows Vista® Business (with XP downgrade option)	Genuine Windows® 7 Professional (with XP downgrade option)
Cache	6MB	3MB Intel® Smart Cache
Front Side Bus (FSB)	1066MHz	n/a
Hard Drive	250GB SATA	320GB SATA
Memory (RAM)	2GB to 4GB DDR2 (667MHz) RAM	2GB to 6GB DDR3 (1066MHz)
Video Adapter	Intel® GS45	Intel® QM57
Display	14.1" widescreen WXGA	14.1" widescreen WXGA+
LED Backlighting	No	Yes
Screen Treatments	Anti-glare	Anti-glare
Audio	Yes	Yes
Modem (56K)	Yes	Yes
Ethernet	10/100/1000	10/100/1000
Wi-Fi	802.11a/b/g/draft-n	802.11a/b/g/n
Wi-Fi Processor	Intel® Wireless WiFi Link 5100	Intel® Centrino® Advanced-N 6200
Mobile Broadband Support	Gobi™ (HSPA, EV-DO)	Gobi™2000 (HSPA, EV-DO)
Bluetooth®	2.0 + EDR (class 1)	2.1 + EDR (class 1)
Optical Drive	DVD Super MULTI Drive	DVD Super MULTI Drive
SD Card Slot (SDHC)	Yes	Yes
PC Card Slot (Type II)	Yes	Yes
USB Ports	Yes (x 3)	Yes (x 3)
Video Port	VGA	VGA
Size	9.9"(L) x 12.8"(W) x 1.0/1.9"(H) front/rear	9.9"(L) x 12.8"(W) x 1.0/1.9"(H) front/rear
Weight	3.7 lbs.	3.6 lbs.
Battery Life	6 hours	7 hours
Charging Time	5 hours off, 6.5 hours on	3.5 hours off, 5 hours on
Battery Type	Lithium Ion	Lithium Ion
Security	Cable lock slot	Cable lock slot
	Password security	Password security
	TPM 1.2	TPM 1.2
	Computrace theft protection agent	Computrace theft protection agent
	Optional Fingerprint reader	Optional Fingerprint reader
	Optional SmartCard (eliminates PC card slot)	Optional SmartCard (eliminates PC card slot)
Magnesium Alloy Case	Yes	Yes
Shock-mounted Hard Drive	Yes	Yes
Drop-resistant	Yes (1' from all 26 axis, 2.5' to base)	Yes (1' from all 26 axis, 2.5' to base)
Spill-resistant Keyboard	Yes	Yes
Handle	Yes	Yes
Integrated Options	Gobi™, Fingerprint reader, SmartCard reader	Gobi™2000, Fingerprint reader, SmartCard reader

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 No Change  
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**TOUGHBOOK®**