

Product Comparison



	RECON	NOMAD	RANGER 3	YUMA
SYSTEM SPECIFICATIONS				
Operating system	Windows Mobile® 6	Windows Mobile® 6.1	Windows Mobile® 6.5 Professional	Windows® 7 Professional
Processor	400 MHz XScale processor	806 MHz XScale processor	800 MHz ARM Cortex-A8 processor	1.6 GHz Intel Atom processor
Memory (RAM)	64 MB	128 MB	256 MB	1 GB DDR2
Data storage	256 MB	2 GB	8 GB	32 GB
Display size (diagonal)	3.5 in (8.9 cm)	3.5 in (8.9 cm)	4.2 in (10.7 cm)	7 in (17.8 cm)
Display orientation	Portrait or Landscape	Portrait or Landscape	Landscape	Portrait or Landscape
Display resolution	240 x 320 pixels (QVGA)	480 x 640 pixels (VGA)	640 x 480 pixels (VGA)	1024 x 600 pixels (WSVGA)
Display anti-reflective treatment	No	No	No	Yes
Display light source	LED	LED	LED	LED
Weight (includes battery)	1.31 lb (0.49 kg)	1.3 lb (0.60 kg)	2.3 lb (1.04 kg)	2.6 lb (1.18 kg) / standard battery; 3.1 lb (1.41 kg) / extended battery
Battery life (standard battery, default settings)	15 hours	15 hours	30 hours	4 hours with standard battery 8 hours with extended battery
RUGGED SPECIFICATIONS				
Ingress Protection	IP67	IP68	IP67	IP67
MIL-STD-810F/G Shock/Drop	38 drops from 4 ft (1.2 m)			
MIL-STD-810F/G Vibration	General Minimum Integrity test for 1 hour per axis; Vibration and Loose Cargo test for .5 hour per axis			
MIL-STD-810F/G Altitude	Decompression at 2,000 ft per minute from 15,000 ft at 73 °F (23 °C) to 40,000 ft at –22 °F (–30 °C)			
MIL-STD-810F/G Operating temp.	–22 °F to 140 °F (–30 °C to 60 °C)			
MIL-STD-810F/G Storage temp.	–40 °F to 158 °F (–40 °C to 70 °C)			
MIL-STD-810F/G Temperature shock	–22 °F/149 °F (–30 °C/+65 °C)			
MIL-STD-810F/G Humidity	90% relative humidity temperature cycle 32 °F/158 °F (0 °C/+70 °C)			
Note:	Ranger 3 meets MIL-STD-810G standards, and the Nomad, Recon and Yuma meet MIL-STD-810F standards.			
USER INTERFACE				
Touchscreen	Yes	Yes	Yes	Yes
Soft input panel (SIP) on-screen keyboard	Yes	Yes	Yes	Yes
Transcriber handwriting recognition	Yes	Yes	Yes	Yes
PDA keypad	Yes	Optional	No	No
Numeric keypad	No	Yes	Yes	Optional
Alphanumeric keypad	No	No	Yes, QWERTY	Optional Peripheral Accessory
Support external keyboard	Yes, via Bluetooth	Yes, via USB and Bluetooth	Yes, via USB and Bluetooth	Yes, via USB and Bluetooth
Integrated barcode scanner	Optional Accessory	Optional	Optional	No
Audio jack	No	Yes	Yes	Yes
Languages supported	4	10	6	1
CONNECTIVITY SPECIFICATIONS				
CompactFlash slot	1	Optional (1)	0	0
ExpressCard slot	0	0	0	1
Secure Digital (SD/SDHC) slot	No	1	1	1
USB client	Yes	Yes	Yes	No
USB host	No	Yes	Yes	Yes (2)
Serial RS-232 9-pin port	1	Optional	1	1
Integrated Bluetooth	Optional	Yes	Yes	Yes
Integrated wireless LAN	Optional	Optional	Yes	Yes
Integrated mobile broadband	No	Optional	Optional	Optional Peripheral Accessory
Integrated camera	No	Optional (1)	Optional (1)	Yes (2)
GPS accuracy with WAAS/SBAS	N/A	2–4 m	2–4 m	2–5 m
GPS NMEA output	No	Yes	Yes	Yes