




Mapping & GIS Product Comparison

HANDHELD COMPUTERS WITH GNSS	GeoExplorer® 6000 series		GeoExplorer® 3000 series			Trimble® Nomad® 900G series	Juno® series				Trimble® Yuma® Rugged Tablet Computer	
												
	GeoXH™	GeoXT™	GeoXH™	GeoXT™	GeoXM™		Juno SD	Juno SC	Juno SB	Juno SA		
DGNSS accuracy postprocessed*	10 cm	50 cm	10 cm	50 cm	1–3 m	1–3 m				1–3 m		2–5 m
DGNSS accuracy real-time*	10 cm	<1 m	10 / <30 cm	<1 m	1–3 m	2–5 m				2–5 m		2–5 m
H-Star™ technology-capable	Yes	No	Yes	No	No	No				No		No
GLONASS-capable	Yes	Yes (Optional via Floodlight™)		No		No				No		No
EVEREST™ multipath rejection		Yes	Yes	Yes	No	No				No		No
Floodlight satellite shadow reduction	Yes	Yes (Optional)		No		No				No		No
Integrated SBAS		Yes		Yes		Yes				Yes		Yes
Integrated beacon	Optional Bluetooth® Beacon receiver		Optional Bluetooth® Beacon receiver			No				No		No
Integrated OmniSTAR	No		No			No				No		No
NMEA output	Yes (Optional)		Yes*			Yes				Yes		Yes
RTCM input	Yes		Yes			No				No		No
Operating system	Windows Mobile® 6.5		Windows Mobile® 6.1			Windows Mobile® 6.1	Windows Mobile® 6.1				Windows® 7 Professional	
Processor	600 MHz TI OMAP 3503		520 MHz XScale processor			806 MHz XScale processor	533 MHz Samsung processor				1.6 GHz Intel Atom processor	
Memory (RAM)	256 MB		128 MB			128 MB	128 MB				1 GB DDR2	
Screen details	10.7 cm / 4.2", color touch screen, 480x640 pixels		8.9 cm / 3.5", color touch screen, 480x640 pixels			8.9 cm / 3.5", color touch screen, 480x640 pixels	8.9 cm / 3.5", color touch screen, 240x320 pixels				17.8 cm / 7", color touch screen, 1024x600 pixels	
Data storage	2 GB		1 GB			6 GB	128 MB				32 GB	
Expansion slots	1 (SD / SDHC)		1 (SD / SDHC)			1 (SD / SDIO) all models; 900GL (+ CF); 900GLD (+ USB)	1 (microSD / microSDHC)				1 (SD / SDIO)	
Alphanumeric data entry	Soft input panel (SIP) on screen keyboard		Soft input panel (SIP) on screen keyboard, Transcriber handwriting recognition			Soft input panel (SIP) on screen keyboard, Transcriber handwriting recognition, Numeric keypad	Soft input panel (SIP) on screen keyboard, Transcriber handwriting recognition				Soft input panel (SIP) on screen keyboard, Transcriber handwriting recognition, Optional keyboard accessory	
Integrated Barcode scanner	No		No			Yes (900GLE and 900GXE)	No				No	
Integrated Bluetooth	Yes		Yes			Yes	Yes	Yes	Yes	No		Yes
Integrated Wi-Fi	Yes		Yes			Yes	Yes	Yes	Yes	No		Yes
Integrated camera	5 MP		No			5 MP (900GLC, 900GLE, and 900GXE only)	3 MP	3 MP	3 MP	No		Front-facing (2 MP) / User-facing (1.3 MP)
Cellular modem	Yes (Optional)		Can be added via TDL 3G cellular modem accessory			Integrated in 900GXE, 800GX, and 800GXC models or via TDL 3G cellular modem accessory	Yes	Yes	Can be added via TDL 3G cellular modem accessory	No		Can be added via ExpressCard 34 mm slot or TDL 3G cellular modem accessory
Cellular voice capability	No		No			No	Yes	No	No	No		No
Weight	Standard editions: 925 g (2.0 lb) incl. battery 3.5G editions: 935 g (2.1 lb) incl. battery		0.80 kg / 1.76 lbs			0.56 kg / 1.2 lbs	0.24 kg / 0.54 lbs				1.4 kg / 3.1 lbs	
Battery life	Up to 10 hours: Internal GNSS, and backlight	Up to 11.5 hours: Internal GNSS, and backlight	8.5 hours: Internal GPS, and backlight	10.5 hours: Internal GPS, and backlight	10.5 hours: Internal GPS, and backlight	15 hours	8 hours: Internal GPS, and backlight				8 hours	
Ruggedness	Withstands 1.2 m / 4 ft drop		Withstands 1.2 m / 4 ft drop			Withstands 1.2 m / 4 ft drop	Withstands 76 cm / 2.5 ft drop				Withstands 1.2 m / 4 ft drop	
Environmental	Dust-proof and resistant to heavy wind-driven rain per IP 65 standard		Dust-proof and resistant to heavy wind-driven rain per IP 65 standard			IP67 sealed against accidental immersion in water	IP4X protected against small objects >1 mm				IP67 sealed against accidental immersion in water	
Operating temperature	–20 °C to 50 °C / –4 °F to 122 °F		–20 °C to 60 °C / –4 °F to 140 °F			–30 °C to 60 °C / –22 °F to 140 °F	0 °C to 60 °C / 32 °F to 140 °F				–30 °C to 60 °C / –22 °F to 140 °F	

GNSS RECEIVERS	GPS Pathfinder® ProXRT receiver		GPS Pathfinder® ProXH™ receiver	GPS Pathfinder® ProXT™ receiver
				
DGNSS accuracy postprocessed*	10 cm		10 / 30 cm	50 cm
DGNSS accuracy real-time*	10 / 30 cm		<1 m	<1 m
H-Star technology-capable	Yes		Yes	No
GLONASS-capable	Yes (optional)		No	No
Galileo GIOVE-A- and GIOVE-B-capable	Yes (visible with NMEA option using the Web Browser interface)		No	No
EVEREST multipath rejection	Yes		Yes	Yes
Integrated GNSS receiver and antenna	No, Tornado™ antenna		Yes	Yes
Integrated SBAS	Yes		Yes	Yes
Integrated beacon	Optional Bluetooth Beacon receiver		Optional Bluetooth Beacon receiver	
Integrated OmniSTAR	Yes (VBS, XP, or HP (G2) capable)		No	
NMEA output	Yes (optional)		Yes	
RTCM input	Yes		Yes	
Integrated Bluetooth	Yes (cabled connection for backpack configuration is recommended)		Yes	
Weight	1.55 kg / 3.42 lbs: Includes GNSS receiver and internal battery		0.53 kg / 1.16 lbs: Includes integrated GPS receiver, antenna, and battery	0.53 kg / 1.16 lbs: Includes integrated GPS receiver, antenna, and battery
Battery life	13 hours (varies with temperature)		12 hours (8 hours with Tornado antenna): Includes GPS and Bluetooth	12 hours: Includes GPS and Bluetooth
Ruggedness	Withstands 1 m / 3.28 ft drop		Withstands 1.22 m / 4 ft drop	
Environmental	IP67 for submersion to depth of 1 m / 3.28 ft		Wind-driven rain and dust resistant to IP54 standard	
Operating temperature	–40 °C to +65 °C / –40 °F to 149 °F		–20 °C to 60 °C / –4 °F to 140 °F	

* Refer to product datasheet and FAQs for full details. Accuracy specifications apply to the latest field and office software versions only.