

	Flex Mini Standard	Flex Mini Extreme
Part Number	BE-GPS-2500	BE-GPS-3500
Positioning Engine		
GPS	L1CA, L5	L1CA, L5
GLONASS	G1	G1
BeiDou	B1i, B2a	B1i, B2a
Galileo	E1, E5a	E1, E5a
QZSS	Yes	Yes
IRNSS/NavIC	TBD	TBD
SBAS	WAAS, EGNOS, MSAS	WAAS, EGNOS, MSAS
Positioning Performance		
Horizontal accuracy ¹ - RTK	n/a	1-2 cm + 1 ppm
Horizontal accuracy ¹ - SBAS (WAAS)	1.5m	1.0m
Horizontal accuracy ¹ - Autonomous	2.5 m	2.5 m
Cold start time	< 30 s typical (almanac and RTC)	< 30 s typical (almanac and RTC)
Warm start time	< 30 s typical (almanac and RTC)	< 30 s typical (almanac and RTC)
Hot start time	< 10 s (almanac, RTC, and position)	< 10 s (almanac, RTC, and position)
Maximum speed	1,850 kph (999 kts)	1,850 kph (999 kts)
Maximum altitude	18,288 m (60,000 ft)	18,288 m (60,000 ft)
Differential options	SBAS, Autonomous	SBAS, Autonomous, RTK v3
Correction I/O protocol	n/a	RTCMv3 (RTK)

Interfaces	
USB	USB device via USB-C receptacle
Bluetooth	Bluetooth V4.0 (HS) with integrated Class 1.5 PA Supports 3 simultaneous connections
Compatibility	
Operating system	iOS, Android, Windows
Mobile App	The Bad Elf Flex App requires iOS 13.4+ or Android 9+
Connectivity	Bluetooth SPP, USB Serial
Operating Specifications	
Operating	−4°F to +131°F (−20°C to +55°C)
Environmental Specifications	
Waterproof	IP67
Humidity	5% to 95% non-condensing
Mechanical Specifications	
Dimensions	3.5" x 1.8" x 1.3" / 90mm x 45mm x 32mm
Weight	5 oz / 143 g
Enclosure	Polycarbonate
Mounting	Bottom mount with 1/4"-20 thread
User Interface	Transflective LCD
	Membrane Buttons
	3 multicolor LEDs
	Audible tones

Battery Specifications	
Bluetooth connected	24 hours
Logging	24 hours
RTK	24 hours
Product Specifications	
USB Port	USB-C port for charging and ElfPort™ expansion
Accelerometer	3-axis
Display	128 x 128 pixel transflective LCD screen with backlight
Firmware	Field upgradeable via app or USB



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