

SJ-5210



USB GPS Mouse Skytraq 65-channel GPS IC

SPECIFICATIONS

System Specification

GPS Chipset		SkyTraq Venus 6
Frequency		L1, 1575.42 MHz
C/A Code		1.023MHz chip rate
Channels		65 channel all-in-view tracking
Tracking Sensitivity		-160 dBm
Accuracy	Position	
	Horizontal	10m 2D RMS (without SA)
	WAAS enabled	5m 2D RMS (without SA)
	Time	1 micro-second synchronized to GPS time
	Velocity	0.1m/sec 95% (without SA)
Datum	Datum	WGS-84
Acquisition Time	Hot Start	1 sec., average (with ephemeris and almanac valid)
	Warm Start	25 sec., average (with almanac but without ephemeris)
	Cold Start	29 sec., average (neither almanac nor

		ephemeris)
Protocol	Reacquisition	0.1 sec,. average (interruption recovery time)
	GPS Output data	NMEA0183 protocol
	GPS Transfer rate	9600 / 4800
Dynamic Condition	Acceleration	Less than 4G
	Altitude	18,000 meters max.
	Velocity	515 meters/ sec. max.
Interface		USB / PS2
Dimension		57.0 x 50.0 x 18.0 mm (L x W x H)
Temperature	Operating	-20°C ~ +60°C
	Storage	-20°C ~ +80°C
	Humidity	Up to 95% non-condensing