

# High Precision GNSS Receiver

# Champion All Star

*Precision Like  
Never Before.*



Tailored to smart devices, the All Star is widely used in surveying and GIS markets. The receiver is a powerful tool that can be used for power, forestry, agriculture and geological industries. Its strength comes from taking advantage of modern technology such as WiFi, Bluetooth, Ethernet and serial COM ports. The All Star will communicate with many software platforms including Apple iOS, Google Android and Microsoft Windows. Furthermore, it can connect to the latest 4G dongle available now to connect to a WiFi hotspot. In some areas without cell phone service, the All Star can work as a mobile base-station to pair with a UHF radio. The All Star offers different models based on different precision levels - from sub-meter to RTK centimeter accuracy.



**Champion**  
INSTRUMENTS

**Champion All Star**



# Champion All Star

Model	ITM8NU	IT306	I910S	I910A	I920A
<b>GNSS Specifications</b>					
Processor	M8N	P326	BD910	BD910	BD920
Channels	72	372	220	220	220
GPS	L1	L1, L2	L1	L1	L1, L2
GLONASS	B1/G1	G1, G2	L1	L1	L1, L2
BeiDou	B1/G1	B1, B2, B3	B1	B1	-
Galileo	-	-	E1	E1	E1
Protocol Output	NMEA - 0183, RAW data				
<b>Accuracy (Internal Accord Accuracy)</b>					
Autonomous	2.5 m	1.2 m	1.2 m	1.2 m	1.2 m
SBAS	2 m	0.5 m	0.5 m	0.5 m	0.5 m
DGPS	1 m	0.3 m	0.25 m	0.25 m	0.25 m
RTK	-	0.01 m + 1 ppm	Optional, 0.008 m (Baseline < 5 km)	0.008 m (Baseline < 30 km)	0.008 m (Baseline < 30 km)
Atlas	-	H100/H30/ H10	-	-	-
<b>Physical Specifications</b>					
Size	117 mm x 85 mm x 56 mm				
Weight	530 g with battery				
<b>Environment</b>					
Operating Temperature	-20 °C ~ +60 °C (-4 °F ~ 140 °F)				
Storage Temperature	-30 °C ~ +70 °C (-22 °F ~ +158 °F)				
Sand, Dust and Water	IP5X				
Drop	1.5 m protection				
<b>Electrical Specifications</b>					
DC Input	DC 12 V, 1 A				
Detachable Li-ion Battery	6200 mAh				
<b>Communication</b>					
GSM/3G/4G	-	-	-	✓	✓
WiFi	-	-	-	✓	✓
USB Port	-	-	-	✓	✓
Serial Port	✓	✓	✓	✓	✓
RJ45 Ethernet	-	-	Optional	✓	✓
Bluetooth v4.0 (iOS Compatibility)	✓	✓	✓	✓	✓
Bluetooth v2.1 (Long Range Bluetooth)	Optional	Optional	Optional	Optional	Optional
Bluetooth Compatibility	Android/Windows Mobile/iOS (Bluetooth v4.0 only)				

## Compatible Software

- ▶ Carlson SurvCE
- ▶ MicroSurvey FieldGenius
- ▶ GeoSource
- ▶ SuperSurv
- ▶ HyperGIS

We will not let you fail.



eGPS Solutions  
4317 Park Drive  
Suite 104  
Norcross, GA 30093

t: 770.695.3361  
f: 770.695.0803  
info@egps.net  
www.egps.net

