



Micronet[®]
Faster and Easier Networks



Micronet SP3130

CF GPS Receiver

Get an exact position fix for PDA users

Micronet SP3130, CF GPS receiver, simultaneously tracks up to 12 satellites and provides a navigation application for your personal digital assistant (PDA) that operates on the PocketPC platform. Positions are updated in real-time with use of your own street mapping/routing software.

SP3130 features high performance and flexibility. It achieves requirements for high sensitivity, fast positioning, and low power consumption. With WAAS/EGNOS enabled, the GPS receiver improves accuracy and makes error below 3 meters when you use it in U.S/Europe. As far as the flexibility is concerned, it is foldable to accommodate the best satellite-receiving angle. And external antenna is provided to be attached on the ceiling of your car for better signaling.

Key Features

- Foldable compact design for best signal-receiving angle
- Support 12 parallel satellite tracking channels for fast acquisition and reacquisition
- Provide both built-in active antenna and external antenna for best signaling
- Support WAAS/EGNOS for signal correction
- Automatic cold start, no more initialization required
- Compliant with Compact Flash type 1 interface for typical installation
- Support NMEA-0183 data protocol for output



CF GPS Receiver

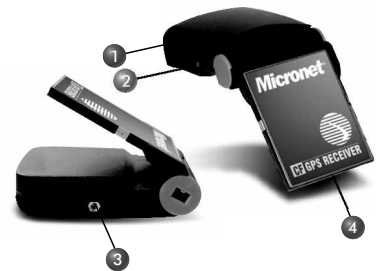
SPECIFICATION AND PRODUCT FEATURES

Model		SP3130
General	Satellite Tracking	12
	Receiving Channel	L1(1575.42MHz), C/A Code
	Baud Rate	4800, N, 8, 1
	Update Rate	1 Hz
	Sensitivity	-138 dBW, minimum
	Message Protocol	NMEA-0183 Output: GGA, GSA, GSV, RMC, VTG, GLL
	Datum	WGS84
Performance	Accuracy	Position: 15 m 2D RMS, SA off Velocity: 0.1 m/sec, SA off
	Signal Correction	WAAS/EGNOS
	Acquisition	Cold Start < 48 sec
		Warm Start < 38 sec
		Hot Start < 8 sec
	Reacquisition	0.1 sec
Max. Altitude	18,000 m	
Max. Velocity	515 m/sec	
Physical Characteristics	Interface	Compact Flash Type I
	LED Indicator	On: 3D Position Fixed Blinking: Searching GPS
	Antenna Type	Built-in Active Antenna External Antenna
	Dimension	68 x 48 x 24mm (W x L x H), Fold 120 x 48 x 21mm (W x L x H), Unfold
Environmental Characteristics	Power Supply	DC +3.3V
	Power Consumption	< 120mA, continuous mode
	Temperature	Operation: -10° C ~ 70° C Storage: -40° C ~ 85° C
	Humidity	5% ~ 95%, Non-Condensing

The product specifications are subject to change without prior notice

ORDERING INFORMATION

Model	Description
SP3130	CF GPS Receiver



SP3130 CF GPS Receiver

- ① Built-in Antenna
- ② LED Indicator
- ③ MMCX Antenna Interface
- ④ CF Interface

COMPANION PRODUCTS

Consider the following Micronet products as a factor in your network planning.

56K Modem

ADSL and Broadband

Internet Camera

ISDN TA / Router

KVM Switch

Media Converter

Network Interface Card

PCMCIA and Compact Flash

Print Server

Switch and Hub

USB Device Family

VDSL

VoIP Telephony

Wireless LAN

Wiring System

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