

## COMBO4S(C)-GSM Multi-Band Combined GPS/GSM Antenna



This low-profile antenna combines a GPS patch antenna with a +27dB filtered LNA and a multi-frequency antenna element capable of operating on all GSM frequencies 850/900/1800/1900/2100 Mhz

This weatherproof antenna is specifically designed for telemetry applications as well as vehicle tracking, asset tracking, & GPS navigation.

General Specifications	
Size:	63.0mm(D) x 15.6mm (H)
Operating Temp:	-40°C - +80°C
Storage Temp:	-45°C - +100°C

GPS Antenna Specifications	
Frequency:	1575.42 MHz
Gain:	27dB typical (less cables)
Noise Figure:	2.0 Max
Polarization:	Right hand circular
Bandwidth:	2 MHz
VSWR:	< 1.8
Impedance:	50 ohms
Power/Consumption:	+3.0Vdc - +5.5Vdc / 12mA
Cable	3m RG-174 SMA connector

GSM Antenna Element Specifications	
Frequency Coverage:	824~960; 1710~1990 MHz 1920~2170 MHz
Gain:	1.0 dBI
Impedance:	50 ohms
VSWR:	< 2.0 (with 5m cable)
Max RF Power Input:	10W
Cable:	3m RG-174 SMA connector

### Ordering Information:

Model	Part Number	Description
4C	10301101	5m cables, SMA Plug on GSM, SMA Plug on GPS, Thru hole mount
4S	10301102	5m cables, SMA Plug on GSM, SMA Plug on GPS, Magnetic mount

*Other configurations quoted on request.*

**For configuration assistance, order placement and technical support call:**



**SYNERGY SYSTEMS, LLC**  
Time proven products and support

P.O. Box 262250 · San Diego, CA 92196  
Phone: (858) 566-0666 Fax: (858) 566-0768  
Email: [oemsales@synergy-gps.com](mailto:oemsales@synergy-gps.com)