

Covert Antennas GSM/CDMA & WiFi



CVS Series Dual-Band Strip
Covert Antennas

- Halfwave 2.5 dBi gain styles
- Low profile & compact; perfect for covert use or unobstructed view use.
- Weather resistant design for inside/outside applications
- Models for Cellular GSM/CDMA, ISM & WiFi

These antennas are designed for covert use in any type of embedded/surface application such as ATM machines, remote credit card processing, wireless kiosks, telemetry radios, and in non-metallic metal NEMA boxes.

These antennas operate on dual band configurations and can be used for Cellular GSM/CDMA modem applications. Models are also available for ISM 915 MHz modems. Models are available for 2.4 GHz WiFi (802.11 b/g) and dual-band 2.4/5 GHz (802.11n).

These antennas are compact, yet provide 2.5 dBi gain performance. The antennas are ground plane independent and can be mounted in a variety of locations. They can be installed behind rearview mirrors, under a dashboard or rear window deck/shelf. Since they are thin, they can also fit into the molding of vehicles, surface or subsurface mount in various electronic equipment.

The CVS antennas are weather resistant with a dust/water ingress rating of IP67. They are provided with double sided tape and a mounting clip for standard installation applications. They can be installed without the mounting clip by simply using the double sided tape.

When mounting the antenna, care should be taken to ensure the antenna is positioned so that no metal or metallized finish obstructs the radiation pattern of the antenna.

The CVS series is housed within a black ASA rugged radome and is provided with 8 ft of RG-174 cable (2.5 meters). Models are typically outfitted with SMA Plug (Male) connectors. Other connectors are available upon request.

The CVS series is also available with an integral GPS antenna in a slightly larger package.

Model #	Band(s)
CVS-900/1900-2C-BLK-96	US GSM/GPRS/EV-DO
CVS-925/1800-2C-BLK-96	EU GSM 900/1800 PCS
CVS-925/1900-2C-BLK-96	ISM, US 1.9 GHz GPRS
CVS-837/1900-2C-BLK-96	Trunking, 1.9 GHz GPRS
CVS-900/1800-2C-BLK-96	800 Cell, EU 1.8 GHz DCS
CVS-2400-2C-BLK-96	2.4 GHz WiFi, 802.11 b/g
CVS-2400/5500-2C-BLK-96	Dualband 2.4/5 GHz WiFi, 802.11n

Specifications

Frequency:	
Cellular	
900/1900	824-894/1850-1990 MHz
925/1800	870-960/1710-1880 MHz
700/2100	694-960/1710-2170 MHz
WiFi/802.11 b/g	2400-2485 MHz
WiFi dualband	2.4-2.5 & 4.9-6.0 GHz
Gain:	
Cell/WiFi	2.5 dBi max
Dualband WiFi	2 dBi 2.4-2.5, Unity 4.9-6.0
VSWR:	2:1 max over range
Impedance:	50 Ohm nominal
Maximum Power:	
Cell/WiFi	10 Watts
Dualband WiFi	2 Watts
Operating Temp:	-40° to +85° C

Dimension:	3.75"L x 1 1/4"W x 3/8"D 95 mm x 32mm x 9 mm
Cable:	8 ft RG-174 (2.5 meters)
Connectors:	SMA Plug (Male), other options available
Material:	ASA plastic, black
Mounting:	Slide-in clip, or direct Double sided tape
Shock & Vibration:	IEEE 1478, EN 61373, MIL-810G, TIA-329.2-C
Dust/Water Ingress:	IP67