



PRODUCT CATALOGUE

Antennas | M2M Modules | Components | Systems

www.giga-concept.fr

2018





European manufacturer your partner for antenna solutions

Cable types, lengths, connector types and housing colour upon request.

Custom Antenna solutions for your specific developments

Giga-concept offers a wide range of 2J Antennas with high quality and a wide range of frequency, these antennas can be tuned to your needs and constraints, and the following features can be fully configured:

All these antennas are thoroughly tested and adjusted to provide the best performance. Giga-concept can propose custom solutions for your specific developments.



1. Design & IP/IK protection

- PCB / Telematics / L bracket
- IP & IK Protection
- ISO/TS 16949:2009 (automotive std)
- EN ISO 14001:2004 (environmental)



2. Connector & Cable length

All connector and cable length available on request to meet your connectivity needs, ask our sales team :

SMA / UFL / N / FAKRA / SMA / SMB, and more ...



3. All Frequency you need

With our 3D modeling modern technics, we can design our antennas to fit with your need.

GSM, GPRS, UMTS, 4G/LTE, GPS, Glonass, Galileo, Tetra, ISM, UMTS, Wifi, Bluetooth...



ISO/TS 16949:2009
Automotive standards

EN ISO 14001:2004
Environmental

-  Customisation
-  RF measurement
-  3D anechoic chambers
-  EM Simulations
-  Prototyping service
-  3D printing
-  Plastic injection
-  Coaxial cable assembly

“ MAKE YOUR OWN ANTENNA IN ONLY 3 STEPS ”

GC-2024GP



Wall mount GSM Omnidirectional Antenna



Frequencies	2G / 3G / 4G LTE / WIFI - BLUETOOTH
Impedance	50 Ohms
Gain	2.2 dBi
P.Handling	25 W
Polarisation	Vertical
Dimension	325 x 155 x 36mm

GC-5024P



Glass or Patch mount multiband Antenna



Frequencies	2G / 3G / 4G LTE
Impedance	50 Ohms
Gain Min/Max	2.2 dBi / 4.0 dBi
P.Handling	25 W
Polarisation	Linear
Dimension	116 x 22 x 6.7mm

GC-W0124



Multiband Telematic Antenna



Frequencies	4G LTE / GNSS
Impedance	50 Ohms
Gain	3 dBi
Polarisation	Linear
Dimension	196 x 38 x 13.8mm

GC-680



Communication Antenna : wall, body or patch mount



Frequencies	2G / 3G / 4G LTE / WIFI
Impedance	50 Ohms
Gain	2 dBi
P.Handling	50 W
Polarisation	Linear
Dimension	117 x 49.5 x 38mm

GC-300M



Multiband Magnetic Antenna



Frequencies	4G LTE
Impedance	50 Ohms
Gain	2.2 dBi
P.Handling	35 W
Polarisation	Vertical
Dimension	72 x 31mm

GC-2124



Omnidirectional Antenna



Frequencies	2G / 3G / WIFI - BLUETOOTH
Impedance	50 Ohms
Gain	2.2 dBi
P.Handling	Linear
Polarisation	155 x 358x 36mm

GC-520 / GC-520R



4G Glass mount with diagnostic resistor (GC-520R version)



Frequencies	2G / 3G / 4G-LTE / WIFI - BLUETOOTH
Impedance	50 Ohms
Gain	2 dBi
VSWR	Full 4G-LTE : < 5:1 Europe : < 2:1
Polarisation	Linear
Dimension	117 x 13 x 4mm

GC-F0624P



Flexible PCB Antenna



Frequencies	2G / 3G / 4G
Impedance	50 Ohms
Gain Min/Max	1.0 dBi / 3.4 dBi
P.Handling	25 W
Polarisation	Linear
Dimension	110 x 20.8 x 0.2mm

GC-E03 / GC-E04



Multiband Ceramic Antenna



Frequencies	2G / 3G
Impedance	50 Ohms
Gain Min/Max	1.3 dBi / 6.4 dBi
Polarisation	Linear
Dimension	24 x 5.5 x 4.4mm

GC-6726B iridium certified



Satellite Mobile Antenna - Vandal Proof IP69K / IP67 / IK09



Frequencies	IRIDIUM
Impedance	50 Ohms
Gain	3 dBIC
P.Handling	< 1.5:1
Polarisation	RHCP
Dimension	36,5 x 77,3mm
Certificates	IP67, IP69K, IK09

GC-0801B



Satellite Mobile Antenna - Patch mount



Frequencies	2G / 3G / GNSS
Impedance	50 Ohms
Gain	3.0 dBi / 1.3 dBi
P.Handling	25 W
Polarisation	Linear / RHCP
Dimension	83 x 35 x 13,3mm

GC-9026



Satellite Mobile Antenna



Frequencies	IRIDIUM
Impedance	50 Ohms
Gain	3-5 dBIC
P.Handling	25 W
Polarisation	RHCP
Dimension	116 x 110 x 74mm

GC-F0101P



PCB Antenna



Frequencies	GNSS
Impedance	50 Ohms
Gain	2.9 dBi
P.Handling	25 W
Polarisation	Linear
Dimension	42 x 8,9 x 0,2mm

GC-661B/BG



Navigation Antenna : GPS Version (B) - GNSS Version (BG)



Frequencies	GPS / GLONASS
Impedance	50 Ohms
Gain	26 dB @ 3V 28 dB @ 5V
VSWR	< 1.5:1
Polarisation	RHCP
Dimension	77,4 x 15mm

GC-431MP/MPG



GNSS Waterproof Antenna



Frequencies	GNSS
Impedance	50 Ohms
Gain	26 dB @ 3V 28 dB @ 5V
VSWR	< 1.2:1
Polarisation	RHCP
Dimension	13,7 x 41 x 34mm

GC-402S



GPS Module - Embedded Antenna



Frequencies	GPS
Impedance	50 Ohms
Gain	26 dB @ 3V 28 dB @ 5V
Voltage	2,7 V - 5,5 V
Current	15mA - 25mA
VSWR	< 1.2:1
Dimension	13,7 x 41 x 34mm

GC-471BGF



GNSS Mobile Antenna



Frequencies	GPS / GLONASS
Impedance	50 Ohms
Gain	32 dB type (5V)
P.Handling	138 mW
Polarisation	RHCP
Dimension	52 x 26mm

GC-433MPGF



GNSS Filtered Antenna



Frequencies	GPS / GLONASS
Impedance	50 Ohms
Gain	26 dB @ 3V 27 dB @ 5V
P.Handling	138 mW
Polarisation	RHCP
Dimension	14 x 38,6 x 34,1 mm



WALL MOUNT



SCREW CONNECTOR



MAGNETIC



BODY MOUNT



PCB

Connector, color, cable & length available on request.

GC-W031



Multiband Telematic Antenna



Frequencies	ISM / WIFI - BLUETOOTH
Impedance	50 Ohms
Gain	3 dB Ave
VSWR	<2.5:1
Polarisation	Vertical
Dimension	113 x 10mm

GC-AP11-868-915



868-902 MHz applications



Frequencies	ISM
Impedance	50 Ohms
Gain	3 dB Ave
VSWR	< 2.0:1
Polarisation	Vertical
Dimension	13 x 198mm

GC-7615B



Dedicated 868 MHz



Frequencies	ISM / SIGFOX / LORA
Impedance	50 Ohms
Gain	2.5 dB
P.Handling	25 W
Polarisation	Linear
Dimension	54 x 50mm

GC-12F-868



Dedicated 868 MHz for Enocean, LoRa, Sigfox applications



Frequencies	ISM
Impedance	50 Ohms
Gain	3 dBi
VSWR	< 2.0:1
Polarisation	Vertical
Dimension	166mm

GC-205-GP



Wall Mount Antenna



Frequencies	2G / 3G WIFI-BLUETOOTH
Impedance	50 Ohms
Gain	2.2 dBi Max.
VSWR	< 2:1
Polarisation	Vertical
Dimension	241 x 115mm

GC-0115



Embedded Multiband Antenna (433 / 868 / 915 MHz)



Frequencies	ISM
Impedance	50 Ohms
Gain	0 dBi
P.Handling	25 W
Polarisation	Linear
Dimension	53.1 x 17.8mm

GC-234-OM-052



High Quality Multiband Glassfiber Antenna - IP66



Frequencies	2G / 3G / 4G LTE WIFI-BLUETOOTH
Impedance	50 Ohms
Gain	3 dB
P.Handling	40 W
Polarisation	Vertical
Dimension	435 x 29mm

GC-6510M



Tetra Antenna (380-500MHz)



Frequencies	ISM
Impedance	50 Ohms
Gain	2.9 dBi
P.Handling	50 W
Polarisation	Linear
Dimension	135.5 x 30mm

GC-E15b



PCB/SMT Antenna - Monopole optimized structure



Frequencies	ISM
Impedance	50 Ohms
Gain	-10.3 dBi
P.Handling	10 W
Polarisation	Linear
Dimension	12. x 4. x 1.6mm

GC-W03



Telematic antenna



Frequencies	WIFI-BLUETOOTH
Impedance	50 Ohms
Gain	5 dBi
P.Handling	25 W
Polarisation	Linear
Dimension	173 x 10mm

GC-W032



WIFI/BLUETOOTH Telematic Antenna



Frequencies	WIFI-BLUETOOTH
Impedance	50 Ohms
Gain	2.2 dBi
VSWR	< 2:1
Polarisation	Vertical
Dimension	112.95 x 9.8mm

GC-230GP



Wall mount WIFI-BLUETOOTH Antenna - 5 dBi max



Frequencies	WIFI-BLUETOOTH
Impedance	50 Ohms
Gain	2.2 dBi
P.Handling	25 W
Polarisation	Linear
Dimension	236 x 115mm

GC-WIFI12



Directive Antenna - Mast Mount - 2.4 / 5 / 5.9 GHz



Frequencies	WIFI-BLUETOOTH
Impedance	50 Ohms
Gain	12 dBi
VSWR	< 2:1
Polarisation	Vertical/Horizontal
Dimension	104 x 104 x 90mm

GC-662B



Wireless Antenna - 2.4 / 5 / 5.9 GHz

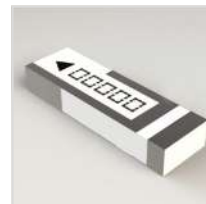


Frequencies	WIFI-BLUETOOTH
Impedance	50 Ohms
Gain	5 dBi
Polarisation	RHCP
Dimension	77.4 x 15.9mm

GC-07e



WLAN dual-band (2.4 / 5GHz) ceramic antenna



Frequencies	WIFI
Impedance	50 Ohms
Gain	1.8 dBi (2.4GHz) 3.6 dBi (5.1-5.9GHz)
Polarisation	Linear
VSWR	< 3:1
Dimension	10 x 3 x 1.5mm

GC-F0102P



Flexible PCB Antenna



Frequencies	ISM / WIFI-BLUETOOTH
Impedance	50 Ohms
Gain	2.2 dBi / 3.8 dBi
P.Handling	25 W
Polarisation	Linear
Dimension	39.6 x 8.4 x 0.1mm

GC-050



Telematic Antenna



Frequencies	2G / 3G / WIFI-BLUETOOTH
Impedance	50 Ohms
Gain	2.2 dBi
Polarisation	Vertical
Dimension	54 x 6.7-9.5mm

GC-0102



Telematic Antenna



Frequencies	WIFI-BLUETOOTH
Impedance	50 Ohms
Gain	0 dBi
P.Handling	25 W
Polarisation	Linear
Dimension	9.3 x 53.1 x 17.8mm



PATCH



WALL MOUNT



SCREW CONNECTOR



MAGNETIC



BODY MOUNT




PCB

Connector, color, cable & length available on request.

GC-48XX




	Dimensions (mm)	Operating Temperature		Impedance (Ohm)	Max Input Power (W)
	83 x 35 x 13,3	-40°C to +85°C		50	25
	2G / 3G	4G	2.4/5.0 GHz ISM	GNSS	Polarization
GC-4841PGF	✓	✓		✓	RHCP
GC-4847P	✓	✓	✓		Linear
GC-4800PGF	✓			✓	Linear
GC-4805P	✓		✓		Linear
GC-4802P			✓		Linear
GC-4804P	✓				Linear
GC-4824P	✓	✓			Linear

✓ = 1 cable

Optional Antenna Detection Resistor


GC-65XX



	Dimensions (mm)		Operating Temperature		Impedance (Ohm)		Certificate
	146 x 31.5		-40°C to +85°C		50		IP67, IP69, IK09
	2G - 3G	2.4 GHz	TETRA	GNSS	IRIDIUM	Max.Input Power (w)	
GC-6500BGF	1.8 2.3 (dBi) ✓			✓		25	
GC-6551BGF	1.8 2.3 (dBi) ✓	✓		✓	✓	10	
GC-6506BGF	1.8 2.3 (dBi) ✓	✓		✓		25	
GC-6552BGF	1.8 2.3 (dBi) ✓			✓	✓	25	
GC-6507BGF			✓	✓		50	
GC-6510B			✓			50	

GC-66XX



	Dimensions (mm)		Operating Temperature		Impedance (Ohm)		Certificate
	74 x 15.9		-40°C to +85°C		50		IP67, IP69
	ISM	GNSS	WIFI / BT	Sigfox	LoRa	Zigbee	
GC-663B	✓	✓	✓			✓	
GC-6615B	✓		✓	✓	✓	✓	
GC-662B	✓		✓			✓	



PATCH



WALL MOUNT



SCREW CONNECTOR



MAGNETIC



BODY MOUNT




PCB

Connector, color, cable & length available on request.

GC-6AXX



	Dimensions (mm)	Operating Temperature	Max. Input Power (W)	Impedance (Ohm)	Certificate
	77.3x 65.5	-40°C to +85°C	25	50	IP67, IP69, IK09
	2G - 3G - 4G LTE		2.4/5.0 GHz	ISM	GNSS
GC-6A02B			✓ 2.6 - 4.4 (dBi)	✓	
GC-6A41BCF	✓ 2 4 3.5 (dBi)				✓
GC-6A24B	✓ 0,8 2,5 3. 4 (dBi)				
GC-6A02Ba			✓✓ 2.4 - 4.4 (dBi)	✓	
GC-6A24Ba	✓✓ 0.8 2.5 3.4 (dBi)				
GC-6A47B	✓ 0.7 3.4 4 (dBi)		✓ 5 - 3.9 (dBi)	✓	
GC-6A41BCFa	✓✓ 0.8 2.5 3.4 (dBi)				✓
GC-6A50BCF	✓ 0.7 3.4 4 (dBi)		✓ 5 - 3.9 (dBi)	✓	✓
GC-6A42B-868				✓	

✓ = 1 cable | ✓✓ = 2 cables (MIMO)

-  PATCH
-  WALL MOUNT
-  SCREW CONNECTOR
-  MAGNETIC
-  BODY MOUNT
-  PCB

Connector, color, cable & length available on request.

Headquarters, global innovation and development center

Giga-concept S.A.R.L
ZA Des Marsandes,
Rue Louise de Vilmorin
91630 Avrainville - FRANCE

Tel : +33 (0)1 60 82 86 33

Fax: +33 (0)1 60 82 06 82

contact@giga-concept.fr
www.giga-concept.fr

RCS 44477302200025

Capital social : 155 400 €

Siren : 444 773 022



© 2018 Giga-concept

This document has been carefully checked. However, Company does not assume any liability for errors or inaccuracies. Published specifications are subject to change without notice. Product suitability for an area of application must ultimately be determined by the customer. In all cases, products must never be operated outside their published specifications. Company does not guarantee the availability of all published products. Latest publications and a complete disclaimer can be downloaded from the Company website. All trademarks recognized.

France

ZA Des Marsandes, Rue Louise de Vilmorin, 91630 Avrainville

Tel: +33 (0)1 60 82 86 33 | Fax: +33 (0)1 60 82 06 82

contact@giga-concept.fr | www.giga-concept.fr

South Korea

28 Daehak-ro, Yuseong-gu, Daejeon, South Korea

Tel: +82 (0)4 28 28 78 08 | Fax: +82 (0)4 28 28 78 07

sales@giga-concept.kr

