

ANTENNA CATALOGUE

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ABOUT US

OTTO WIRELESS SOLUTIONS WAS ESTABLISHED IN 2010 BY BARRY CULLIGAN AND CHRISTOPHER VIVEIROS IN ORDER TO OFFER FULL SUPPORT FOR RF AND WIRELESS PRODUCTS, WHICH AT THE TIME WAS LIMITED TO SIMCOM GSM MODULES, RF CONNECTORS AND ANTENNAS. IT WAS ORIGINALLY A DIVISION OF OTTO MARKETING, WHICH HAD BEEN PROVIDING INTERCONNECT AND CABLING PRODUCTS TO THE ELECTRONICS INDUSTRY SINCE 1990.

SINCE THEN OTTO WIRELESS SOLUTIONS HAS EXPANDED THEIR PRODUCT OFFERING TO INCLUDE WLINK ROUTERS AND MODEMS, M2M AND IOT SOLUTIONS, LORA GATEWAYS AND MODULES, M BUS DEVICES, GSM BOOSTERS AND THE FULL RANGE TP LINK PRODUCTS, AS WELL AS EXPANDING THE RANGE OF ANTENNAS AND RELATED PRODUCTS.

IN 2017 WE DREW ON OUR EXPERIENCE GAINED OVER THE YEARS AND LAUNCHED A BRAND OF HIGH-END OUTDOOR LTE ANTENNAS, APTLY NAMED OTTENNAS, TO THE LOCAL MARKET.

OTTO WIRELESS SOLUTIONS IS A LEVEL 2 BBBEE COMPANY AND IS ISO CERTIFIED. WE PRIDE OURSELVES ON OFFERING OUR CUSTOMERS A HIGH LEVEL OF SUPPORT, BOTH COMMERCIALLY AND TECHNICALLY.

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NOTES

5G-MD-11

LTE DIRECTIONAL HIGH-GAIN MIMO OTTENNA

5G-MO-5

LTE/3G/4G/GSM YAGI OTTENNA



Outdoor

Dimensions: 260 x 170 x 60mm

Gain: 11dBi

Cable Length: 2 x 10m low loss

Connector: 2 x SMA Male



Outdoor

Dimensions: Ø63 × 380mm

Gain: 4dBi; 5dBi

Cable Length: 2 x 5m low loss Connector: 2 x SMA Male



LTE DIRECTIONAL HIGH-GAIN MIMO OTTENNA



LTE-YD-11

LTE/3G/4G/GSM YAGI OTTENNA



Outdoor

Dimensions: 260 x 170 x 60mm

Gain: 11dBi

Cable Length: 2 x 10m low loss

Connector: 2 x SMA Male



Outdoor

Dimensions: 405 x 210 x 65mm

Gain: 11dBi

Cable Length: 10m low loss

Connector: 1x SMA

LTE-SO-5

OMNI INDOOR CEILING OTTENNA



Dimensions: ø186 x 86mm

Gain: 3 - 5dBi

Cable Length: 300mm

Connector: N-type Female

BY-LTE-BLADE-12

5G/4G/LTE POS BLADE ANTENNA



JCG601

GSM VANDAL-PROOF ROOF MOUNT ANTENNA



Indoor

Dimensions: Ø83 x 173mm

Gain: 1/2/3/4dBi Cable Length: 1m Connector: SMA Male



Vandal Resistant Dimensions: Ø68

Gain: 2dBi (Zenith) Cable Length: 3m Connector: SMA Male

GSM07

QUAD BAND GSM ANTENNA

GSM24

3G GSM YAGI ANTENNA 24DB



Indoor

Dimensions: 103 x 11 x 3.5mm

Gain: 3dBi

Cable Length: 3m

Connector: Any, can be fitted



Outdoor

Dimensions: 1000 x 300 x 300mm

Gain: 24dBi

Cable Length: 20m Connector: SMA Male

GSM28

HIGH GAIN 868MHZ OMNI ANTENNA

GSM30

3G 5DB MAGNETIC ANTENNA



Outdoor

Dimensions: 400 x 19 x 19mm

Gain: 4dBi

Connector: N-type female



Indoor

Dimensions: 360 x 76 x 76mm

Gain: 5dBi

Cable Length: 3 to 5m Connector: SMA Male

DB698-2700S-7-65B

LTE/3G/4G MIMO DUAL PATCH 8DB ANTENNA

QJ800/2170-8

803 - 2170MHZ 6/8DBI OMNI ANTENNA



Outdoor

Dimensions: 215 x 200 x 73mm

Gain: 6.5; 7; 7.5; 8; 8.5; 9dBi

Cable Length: 300mm

Connector: 2x N-type Female

Outdoor

Dimensions: Ø20×1250 mm

Gain: 6dBi; 8dBi

Connector: N-type female

QJ698/2700-4M

WIDE-BAND MARINE ANTENNA 4DB

BY-LTE-02-06

LTE BLADE ANTENNA



Outdoor

Dimensions: Ø63 × 250 mm

Gain: 4dBi

Cable Length: 3m

Connector: N-type Female



Indoor

Dimensions: 172mm

Gain: 5dBi

Connector: SMA Male

Black or White

GSM31SMA-ST3.0

OMNI-DIRECTIONAL MAGNETIC BASE ANTENNA

GSM04SMA-ST3.0

QUAD BAND MAGNETIC GSM WHIP ANTENNA



Indoor

Dimensions: Ø76 x 455mm

Gain: 7dBi

Cable Length: 3m Connector: SMA Male



Indoor

Dimensions: 266 x 47 x 47mm

Gain: 5dBi

BGSM12SMA-ST3.0

Cable Length: 3m Connector: SMA Male



OA-1826-01SMA5M

7DB OMNI MAGNETIC BASE ANTENNA



QUAD BAND GSM MINI MAGNETIC ANTENNA



Outdoor

Dimensions: 460 x 76 x 76mm

Gain: 7dBi

Cable Length: 5m Connector: SMA Male



Indoor

BLTE/LTE09SMA5M

LTE 2DB ROOF MOUNT ANTENNA

Dimensions: Φ30 × 90mm

Gain: 3.5dBi Cable Length: 3m Connector: SMA Male

GSM01SMA-ST3.0

QUAD BAND MINI MAGNETIC GSM ANTENNA



Dimensions: 100 x 30 x 30mm

Gain: 3dBi

Cable Length: 3m Connector: SMA Male



Vandal Resistant

Dimensions: Ø80 x 13mm

Gain: 2dBi

Cable Length: 2; 3; 5m Connector: 2x SMA Male



QUAD BAND GSM ANTENNA



Vandal Resistant

Dimensions: 80 x 13mm

Gain: 2dBi

Cable Length: 1m Connector: SMA Male



Indoor

BY-GSM-05

Dimensions: 115 x 22 x 4mm

Gain: 3.5dBi

OPEN-ENDED GSM PATCH ANTENNA

Cable Length: 2; 3; 5m Connector: SMA Male



GSM03SMA-ST3.0

QUAD BAND GSM PATCH ANTENNA & 3M RG174

BY-3G-05

3G ANTENNA, PATCH TYPE



Indoor Gain: 3dB

Cable Length: 3m Connector: SMA Male



Indoor

Dimensions: 15 x 22 x 4mm

Gain: 2.5m

Cable Length: 2; 3; 5m Connector: SMA Male

BY-3G-03-03

3G/GSM QUAD-BAND ANTENNA



Stubby

Dimensions: 195mm

Gain: 3dBi

Cable Length: 2; 3; 5m Connector: SMA Male



Stubby

Dimensions: 117 ±1.5mm

Gain: 3dBi (Zenith) Connector: SMA Male

BY-3G-03-02

3G ANTENNA

BY-GSM-02 RIGHT ANGLE GSM ANTENNA



Dimensions:

113mm (SMA straight male), 111mm (SMA right angle male) 144mm (SMA rotation male)

Gain: 2.65dBi

Connector: SMA Male



Stubby

Dimensions: 95mm

Gain: 3dBi

Connector: SMA Male

BY-GSM-11-01

STRAIGHT GSM SCREW MOUNT ANTENNA





Stubby

Dimensions: 170mm

Gain: 5dBi

Cable Length: 2.5m Connector: SMA Male



Stubby

Dimensions: 50mm

Gain: 3dBi

Connector: SMA Male

GH-800/1900-2

STRAIGHT GSM ANTENNA

PGSM03-IPEX100

INTERNAL GSM QUAD BAND ANTENNA



Stubby

Dimensions: Ø7.7 x 47mm

Gain: 2dBi

Connector: SMA Male



Dimensions: 6.5 x 36mm

Gain: 1dBi

Cable Length: 100mm Connector: SMA Male

BY-AMPS/GSM-01

GSM BARE PCB ANTENNA 2DB WITH NO CABLE

BY-AMPSGSM-FPCB

FLEXIBLE GSM ANTENNA



Internal/PCB Mount Dimensions: 5 to 20cm

Gain: 2dBi



Internal/PCB Mount

Dimensions: 34 × 7.4 × 0.2mm

Gain: 3dBi

Cable Length: 90mm Connector: U.FL / IPEX

MIMO-PA0727-5MT

LTE/3G/4G MIMO DUAL PATCH ANTENNA



BY-3G-13

VANDAL RESISTANT 3G ANTENNA



Outdoor

Dimensions: 233 x 200 x 60mm

Gain: 5dBi; 9dBi

Cable Length: 2 x 40cm Connector: 2 x N-type Male



Vandal Resistant

Dimensions: Ø29 x 61mm

Gain: 2.5dBi

Cable Length: 10cm; 15cm Connector: SMA Male

OA-0921-02

3G OUTDOOR OMNI ANTENNA

OA-0921-02-01

3G OUTDOOR OMNI ANTENNA, 5 METERS

Outdoor

Dimensions: Ø20 × 1250mm

Gain: 9dBi

Connector: N-type Female



Outdoor

Dimensions: Ø20 × 1250mm

Gain: 9dBi

Cable Length: 5m low loss Connector: SMA Male

COMBO ANTENNAS

CUSTOM SELECTED CONNECTORS

JCE604LMWM

SUPER RUGGED COMBO ANTENNA

BY-GPS-LTE-2.5G+5.8G-01

GPS/LTE 2.5G+5.8G COMBINED ANTENNA

LTE/Dual Wi-Fi/GPS/GLONASS

Dimensions: 25 x 25 x 6mm

Gain:

GPS & GLONASS - 28 ±2dBi

LTE MIMO - 3dBi Wi-Fi MIMO - 2dBi Cable Length: 5 x 2.5m



Dimensions: 70 x 70 x 14mm

Gain: 3dBi Cable: RG174

Connector: FAKRA or other

JCB601

GPS/GSM VANDAL PROOF COMBO ANTENNA

BY-GPS/GSM-05

DUAL GSM/GPS DISC PANEL MOUNT ANTENNA

GSM/GPS

Dimensions: Ø68 ± 0.3

Gain:

Dialectric - 2dBi LNA - 28 ±2dBi GSM - 2dBi Cable Length: 2m



GSM/GPS

Dimensions: Ø46 x 14.5mm

Gain: 4dBi

Cable Length: 2.5m

BY-GPS/GSM/WI-FI-01

GSM/3G/GPS + WI-FI ROOF MOUNT ANTENNA

BY GSM868-10

ROOF MOUNT GSM AND 868MHZ ANTENNA

GSM-Shortrange

Dimensions: Ø46 x 14.5mm

Gain: GSM - 2dBi+/-1dBi@850MHz;

2dBi+/-1dBi@900MHz;

1dBi+/-1dBi@1800MHz;

1dBi+/-1dBi@1900MHz

868MHz - 2dBi

Cable Length: GSM & 868MHz - 1m

GSM/SPS/Wi-Fi

Dimensions: 70 × 70 × 14mm

Gain: 4dBi

Cable Length: 3 x 3m

GPM-01-01

DUAL GSM/GPS DISC ANTENNA

BGPSGSM03SMA-ST1

ROOF MOUNT COMBO GPS/GSM ANTENNA



GSM/GPS

Dimensions: 55 x 15 x 12mm

Gain: 3dBi

Cable Length: 3m



GSM/GPS

Dimensions: 65 x 38.5 x 37mm

Gain: 3dBi

Cable Length: 1m

GPS/GLONASS

JCA601

GPS ROOF MOUNT 2DBI ANTENNA

JCA005

GPS ACTIVE OUTDOOR/MARINE 5DBI ANTENNA



Vandal Resistant

Dimensions: 25 x 25 x 4mm

Gain: 2dBi

Cable Length: 2m

Connesctor: SMA MAle



Active

Dimensions: Ø93.5 ± 0.2

Gain: 5dBi

Cable Length: 2m

Connector: N-Type Male

BY-GPS-02

GPS ACTIVE INTERNAL ANTENNA

BY-GPS-06

GPS ACTIVE ANTENNA



Active

Dimensions:27 x 27 x 8.2mm

Gain: 3dBi

Cable Length: 5 - 20cm



Active

Dimensions: 46 x 15mm

Gain: 3dBi

Cable Length: 3m Connector: SMA Male

BY-GPS-09

RUGGED GPS ACTIVE SHARK FIN ANTENNA

BGPS04SMAST3.0

GPS PASSIVE ANTENNA



Active

Dimensions: 284 × 53.8 × 62mm

Gain: 3dBi

Cable Length: 2.3m Connector: SMA Male



Passive

Dimensions: 42 x 36 x 13,5mm

Gain: 3dBi

Cable Length: 2.3m Connector: SMA Male

BGPS10SMA-ST3.0

GPS ACTIVE ANTENNA, 3M RG174 & SMA PLUG

BGPS10SMA-ST6.0

GPS ACTIVE ANTENNA, 6M RG174 & SMA PLUG



Outdoor

Dimensions: 42 x 36 x 13,5mm

Gain: 3dBi

Cable Length: 2.3m Connector: SMA Male



ndoor

Dimensions: 42 x 36 x 13.5mm

Gain: 3dBi

Cable Length: 2.3m Connector: SMA Male

GPS/GLONASS

BY-GPS-03

GPS ACTIVE ANTENNA WITH 5M RG174

BY-GPS-GLONASS-10-28DB

CERAMIC GPS PATCH ANTENNA



Active

Dimensions: 44 x 35.5 x 14mm

Gain: 3dBi

Cable Length: 2m



Active

Dimensions: 42 x 36 x 13.5mm

Gain: 3dBi

Cable Length: 2m

BY-GPS-254

CERAMIC GPS PATCH ANTENNA



CERAMIC GPS PATCH ANTENNA



Internal/PCB Mount

Ceramic Patch

Dimensions: 25 x 25 x 4mm

Gain: 4dBi

* Available as through-hole or SMD



Internal/PCB Mount

Ceramic Patch

Dimensions: 18 x 18 x 2mm

Gain: 4dBi

* Available as through-hole or SMD

BY-GPS-124

CERAMIC GPS PATCH ANTENNA

BY-GPS-12

CERAMIC PATCH ANTENNA WITH 100MM CABLE



Internal/PCB Mount

Ceramic Patch

Dimensions: 12 x 12 x 4mm

Gain: 2.5dBi

* Available as through-hole or SMD



Internal/PCB Mount

Ceramic Patch

Dimensions: 12 x 12 x 4.8 or 6.8mm

Gain: 3dBi

Cable Length: 5 - 20cm

WI-FI/BLUETOOTH

DB-24/58S-12

2.4GHZ & 5.8GHZ MIMO PANEL 12DB ANTENNA

DP-2400-24-0.9

HIGH GAIN DIRECTIONAL GRID WI-FI ANTENNA



Outdoor

Dimensions: 445 × 135 × 25mm

Gain: 12dBi



Outdoor

Dimensions: 600 x 900mm

Gain: 24dBi

Cable Length: To be ordered as an extra depending on length the connector required to fit the Wi-Fi

equipment.

DBDS2400-12

12DB OUTDOOR/INDOOR WI-FI ANTENNA



DB2400-12-65A



Outdoor

Dimensions: Ø116 x 145mm

Gain: 12dBi



Vandal Resistant

Dimensions: 105 x 105 x 110mm

Gain: 12dBi

QJ2400-9A

9DB 2.4GHZ OMNI-DIRECTIONAL ANTENNA

T000CCD-80

MINIATURE DUAL BAND ANTENNA, 2.4/5.8GHZ



Dimensions: Ø20 to 920mm

Gain: 9dBi



Internal/PCN Mount

Dimensions: 20 x 7 x 1.9mm

Gain: 1.5dBi; 2dBi Cable Length: 250mm

T000CCD-80

MINIATURE DUAL BAND ANTENNA, 2.4/5.8GHZ



Internal/PCB Mount

Dimensions: 20 x 7 x 1.9mm

Gain: 2dBi; 2.5dBi Cable Length: 80mm



BY-2400-01-01

BARE PCB 2.4GHZ ANTENNA, 2.16DB



Internal/PCB Mount

Dimensions: 65 x 15.9 x 0.8mm

Gain: 2.16dBi

Cable Length: 50 - 200mm

WI-FI/BLUETOOTH

PA-24-05

14DB DIRECTIONAL PANEL WI-FI ANTENNA

QJ-24/58-12

12DB DUAL BAND OMNI-DIRECTIONAL ANTENNA



Outdoor

Dimensions: 223 x 200 x 60mm

Gain: 14dBi

Cable Length: To be ordered as an extra depending on length the connector required to fit the wifi



Dimensions: Ø20 x 110mm

Gain: 12dBi



QJ5800-12

12DB OUTDOOR/INDOOR OMNI WI-FI ANTENNA

OA-5150NM-12DB

5.0G WIFI OMNI ANTENNA, 12DB



Outdoor

Dimensions: Ø20×760 mm

Gain: 12dBi



Outdoor

Dimensions: Ø20 x 800mm

Gain: 12dBi

QJ-2400-12

12DBI HIGH GAIN OMNIDIRECTIONAL ANTENNA

OA-2400NF-6DB

2.4G WIFI OMNI ANTENNA, 6DB



Dimensions: Ø38 to Ø52

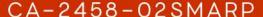
Gain: 12dBi



Outdoor

Dimensions: Ø20 x 450mm

Gain: 6dBi



DUAL 2.4GHZ & 5.0GHZ ROOF MOUNT ANTENNA

BY-2400-05-10-2

2.4GHZ DIPOLE ANTENNA, 10DB WITH RP SMA



Vandal Resistant

Dimensions: 45 x 80 x 45mm

Gain: 2.4-2.5GhZ 3dBi

5.1-5.9Ghz 5 dBi

Cable Length: 30cm



Stubby

Dimensions: 395mm

Gain: 10dBi

WI-FI/BLUETOOTH

BY-2400-02

2400MHZ TERMINAL ANTENNA, 3DB

BY-2400-03

2.4G MINI MAGNETIC ANTENNA, 5DB

Stubby

Dimensions: Ø8 x 95mm

Gain: 3dBi



Indoor

Dimensions: Ø30 x 142mm

Gain: 5dBi

Cable Length: 2; 3; 5cm

433/868MHz

OA-433-02

433MHZ OMNI ANTENNA 9DB

Outdoor

Dimensions: 1650 x 40 x 40mm

Gain: 9dBi

Connecor: N-type Female

Outdoor

BY-433-AQJ-6

Dimensions: Ø25 x 1500mm

6DB 433MHZ OMNI-DIRECTIONAL ANTENNA

Gain: 6dBi

Connector: N-type Female

OA - 433 - 01 - 1

433MHZ OMNIDIRECTIONAL ANTENNA, 5DB

BY-433-06

433MHZ WHIP ANTENNA, 2.5DB

Outdoor

Dimensions: 850 x 19 x 19mm

Gain: 5dBi

Connector: N-type Female

Indoor

Dimensions: Ø30 x 170mm

Gain: 2dBi

Cable Length: 3m

Connector: SMA, BNC, MCX Male etc

BY-433-05

433MHZ PATCH ANTENNA, 2DB

BY-433-02

433MHZ ANTENNA, 1DB

Indoor

Dimensions: 115 × 11 × 4mm

Gain: ≤2dBi Cable Length: 2m

Connector: SMA

Indoor

Dimensions: 95mm

Gain: ≥2dBi

Connector: SMA

DBDS-800/900-11-120

OA-868-01

868MHZ OUTDOOR OMNI ANTENNA, 6DB



Outdoor

Dimensions: 650 x 288 x 130mm

Gain: ≤1.5dBi

Connector: N-type Female



Outdoor

Dimensions: 880 x 19 x 19mm

Gain: 6dBi

Cable Length: 5m

Connector: SMA Male (option)

433/868MHz

GSM-28

HIGH GAIN 868MHZ OMNI ANTENNA, 4DB

BY868-12.5SMA

868MHZ STUBBY ANTENNA, 5-7DB STRAIGHT

Outdoor

Dimensions: 400 x 19 x 19mm

Gain: 4dBi



Stubby

Dimensions: 125mm

Gain: 5 - 7dBi

BY-868MHZ-02

868MHZ ANTENNA

BY 868-01 SMA

868MHZ, ANTENNA, 2DB



Stubby

Dimensions: 95mm

Gain: 3dBi



Stubby

Dimensions: Ø30 x 170mm

Gain: 2.2dBi

BY-868-915-FPCB

SHORT-RANGE 868MHZ/915MHZ ANTENNA

BY-868-SPRING-01

868MHZ LORA PCB SPRING ANTENNA



Internal/PCB Mount

Dimensions: 79 x 10mm

Gain: 1dBi

Gain: 3dBi

Dimensions: Φ4 or custom

CERAMIC CHIP

DPA900B

3G/CHIP/SMD/3.0VSWR ANTENNA

DCAG0003

GPS/GLONASS/CERAMIC/3.5VSWR ANTENNA



Internal/PCB Mount Ceramic SMD

Dimensions: 31 x 6 x 3.3mm

Gain: 1dBi (typ)



Internal/PCB Mount Ceramic SMD

Dimensions: 5 x 2.5 x 0.55mm

Gain: 1dBi (typ)

DPA1575A

GPS/CERAMIC/2.0VSWR ANTENNA

DCAHOSO4

WIFI/2.4 5.8GHZ/3.5VSWR ANTENNA



Internal/PCB Mount Ceramic SMD

Dimensions: 10 x 4 x 3mm

Gain: 1.5dBi (typ)



Internal/PCB Mount Ceramic SMD

Dimensions: 3.05 x 1.6 x 0.55mm Gain: 1dBi (typ); 2.5 dBi (typ)

DCAHOSOO

WIFI/2.4/5.8GHZ/3.5VSWR ANTENNA

DCAK0012

WI-FI/2.4GHZ/MIN/2.0VSWR ANTENNA



Internal/PCB Mount Ceramic SMD

Dimensions: 10 × 4 × 1.5mm

Gain: 2700 - 4900MHz

(frequency dependent)



Internal/PCB Mount

Ceramic SMD

Dimensions: 3.05 x 1.6 x 0.55mm

Gain: 1dBi (typ)

PCAK0001-12

WIFI/2.4GHZ/CERAMIC/SMD/2.0VSWR ANTENNA

DPANOS07

LTE/SMD/4.5VSWR ANTENNA



Internal/PCB Mount Ceramic SMD

Dimensions: 9 x 1.6 x 1.6mm

Gain: 2dBi (typ)



Internal/PCB Mount Ceramic SMD

Dimensions: 91 x 5 x 5mm

Gain: -2400 - -3000MHz

(frequency dependent)

CERAMIC CHIP

DPAF0S01

868MHZ/CERAMIC/SMD/4.4 VSWR ANTENNA

PCAY 0 S 0 0

868MHZ/CERAMIC/SMD/4.4 VSWR ANTENNA



Internal/PCB Mount Ceramic SMD

Dimensions: 30 x 5 x 5mm

Gain: 0.84 - 1.18dBi

(frequency dependent)



Internal/PCB Mount Ceramic SMD

Dimensions: 15 x 4 x 1.2mm Gain: Frequency dependent

IRIDIUM

BY-IRIDIUM-03

ADHESIVE PASSIVE IRIDIUM ANTENNA

B-IRIDSMA-ST3.0

IRIDIUM ANTENNA WITH 3M CABLE & SMA PLUG



Indoor

Dimensions: 44 x 35,5 x 14mm

Gain: 4dBi

Cable Length: 1.2m



Indoor

Dimensions: 70 x 70 x 14mm

Gain: 4dBi

Cable Length: 1.2m



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